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FIELD SERVICE MANUAL

1913.

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CAVALRY REGIMENT.

(EXPEDITIONARY FORCE.)

NOTE.—Field Service Manuals are not the authority for the supply of war outfit of units. The details laid down in latest Mobilization Store Tables, Equipment Regulations, Clothing Regulations, &c., will be followed.

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(*a*) *See also* Section 3.

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Section 1.—GENERAL NOTES.

1. Basis of establishment and outfit.—The tables contained in this Manual are drawn up on the basis of a campaign in a civilized country, and in a temperate climate. When mobilization is for a campaign under different conditions, certain modifications will become necessary, and will be notified from the War Office.

2. War establishment.—The normal war establishment of a cavalry regiment, showing its composition as regards personnel and animals, is given in Section 2, and no men or horses in excess of the "total regiment in the field" will be allowed to accompany the unit in the field.

H.Q. & M.G. Section.—All details, including officers of the regimental headquarters and machine gun section, sleep and mess, normally, independently of the squadrons.

3. Transport.—The transport of a regiment is shown after its war establishment. The transport is divided in the field as follows:—

1st line (which always accompanies the regiment on the march) limbered and cook's wagons; Maltese and water carts; pack and spare animals.

The G.S. limbered wagons are numbered and allotted consecutively as follows:—

"A" Squadron	No. 1	... Pioneer and Signalling Equipment.
	„ 2	... S.A.A.
"B" Squadron	„ 3	... Pioneer and Signalling Equipment.
	„ 4	... S.A.A.
"C" Squadron	„ 5	... Pioneer and Signalling Equipment.
	„ 6	... S.A.A.
Machine Gun Section	Nos. 7 and 8	Machine guns and stores.
	„ 9 and 10	M.G. Ammunition.

Train transport.—Train transport (an A.S.C. unit), G.S. wagons for baggage and supplies.

The G.S. wagons for baggage, stores and supplies are allotted and numbered consecutively as follows:—

Headquarters and machine gun section ...	No. 1.
"A" squadron	Nos. 2 and 3.
"B" squadron	Nos. 4 and 5.
"C" squadron	Nos. 6 and 7.

G.S. wagons Nos. 3, 5, and 7 belong to the baggage section of the train, and Nos. 1, 2, 4, and 6 to the supply section of the train.

This manual has been based on War Establishments, Part I, Expeditionary Force, 1913, and on A.F.G. 1098-9, dated January, 1913.

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A.S.C. drivers.—The train transport is provided by the A.S.C When in the field, rations for men and horses of train transport are carried by the company of the train to which the drivers belong. Spare drivers for train transport are included in the war establishment of the Army Service Corps company of the train to which the transport drivers belong. The personnel and animals of the A.S.C. train transport allotted to the regiment will accompany it by rail and over sea, joining the A.S.C. train on arrival in the area of concentration.

4. Spare horses.—Spare draught horses are allowed at the rate of 10 per cent. A driver is allowed for each pair of spare horses.

5. Medical and Sanitary arrangements.—An officer for medical charge, and rank and file for water, &c. duties, are provided by the R.A.M.C.

One N.C.O. and eight privates per regiment are trained in sanitary duties. On arrival in camp they are available for sanitary duties and are placed under the orders of the medical officer for camp sanitation purposes, working in conjunction with the R.A.M.C. personnel attached. At all other times they take their places in the ranks.

First aid.—Four men in each squadron are trained in first aid.

6. Pioneers.—One N.C.O. and four men per squadron are trained in pioneer duties. Squadron pioneer equipment is detailed in the load tables.

7. Bâtmen.—Bâtmen in the field are allowed at the rate of one for each officer with one horse, and two for each officer with two or three horses. All bâtmen are fully armed and trained soldiers, and are available for duty in the ranks.

8. Reinforcement.—Drafts to replace wastage are calculated for cavalry at the rate of 40 per cent. for the first six months, or 70 per cent. during the first year of a war. The first portion of these drafts is known as "first reinforcement," and is calculated at 10 per cent. of rank and file. The first reinforcement, with their horses, mobilizes with the regiment, but unless otherwise ordered, will not accompany it when it leaves its place of mobilization. Special instructions will be issued for the movement of these details.

Details at base.—Other details shown in the table as "left at the base" also mobilize with the regiment; the orderly-room serjeant is attached to the A.G.'s office at the base; the remainder are attached with the first reinforcement to the general base depôt to which the regiment is affiliated.

9. War outfit.—War outfit is the material of all kinds which a unit requires for war. The method of carrying it is laid down in Sections 3–6.

(*a*) **Ordnance Stores.**—The ordnance stores required on mobilization are laid down in the mobilization store table for a cavalry regiment (expeditionary force).

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(*b*) **Clothing.**—The clothing and necessaries required on mobilization are detailed in the Regulations for the Clothing of the Army, Part III.

(*c*) **Supplies; and medical and veterinary equipment.**—Details of the scale of supplies will be found in War Establishments and Allowance Regulations; medical and veterinary equipment in Regulations for Army Medical and Veterinary Services respectively.

(*d*) **Stationery.**—The stationery considered necessary for a cavalry regiment in the field is shown in "Tables of Books, Army Forms and Stationery taken into the Field by Units of the Expeditionary Force," issued with Army Orders. A list of contents is pasted inside the lid of each stationery box.

10. Blankets.—Blankets for personnel are not included in the normal scale of war outfit; but, *when specially* ordered, one blanket per man will be carried. The method of carrying blankets is for:—

Officers	In valise.
Mounted warrant officers, non-commissioned officers and men	Under saddle, in addition to saddle blanket.
Dismounted non-commissioned officers and men	In G.S. wagons.

11. Replenishment of stores.—General requisites, such as spare parts and materials for repairs, are calculated on the assumption that it will be possible to replenish them at intervals of about a fortnight.

12. Mobilization.—The arrangements for bringing a regiment up to war establishment in men and horses, and for the completion of its war outfit, are laid down in Mobilization Regulations.

Orders for movement, when mobilization is complete, will be issued from the War Office to General Officers Commanding-in-Chief.

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Section 2.—WAR ESTABLISHMENT AND TRANSPORT.

A Cavalry Regiment.

War Establishment.

Detail.	Personnel.							Horses.			
	Officers.	Warrant officers.	Staff-serjeants and serjeants.	Artificers.	Trumpeters.	Rank and file.	Total.	Riding.	Draught.	Pack.	Total.
Headquarters (excluding attached) ...	5	1	6	3	...	27	42	31	8	...	39
,, attached	2	...	...	1	...	3	6	18	...	...	18
Machine-gun section	1	...	1	...	...	25	27	19	16	...	35
3 squadrons	18	...	30	18	6	393	465	450	30	6	486
Total regiment (excluding attached)	24	1	37	21	6	445	534	500	54	6	560
Total regiment (*a*) (including attached)	26	1	37	22	6	448	540	518	54	6	578

Details left at the Base.

(Not included in the above totals.)

Storemen, first reinforcement, &c. ...	1	...	4	...	...	47	52	*48*	...	...	*48*

(*a*) 1 N.C.O. and 8 cavalry men are trained in sanitary duties.

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A Cavalry Regiment—*continued.*

Composition in Detail.

(i) *Personnel and Horses.*

Detail.	Personnel.							Horses.			
	Officers.	Warrant officers.	Staff-serjeants and Serjeants.	Artificers.	Trumpeters.	Rank and file.	Total.	Riding.	Draught.	Pack.	Total.
Headquarters.											
Lieutenant-colonel	1	...	...	...	...	...	1	3	...	...	3
Major	1	...	...	...	...	...	1	3	...	...	3
Adjutant	1	...	...	...	...	...	1	3	...	...	3
Signalling officer	1	...	...	...	...	...	1	3	...	...	3
Quartermaster	1	...	...	...	...	...	1	1	...	...	1
Regimental serjeant-major	...	1	...	...	...	...	1	1	...	...	1
Quartermaster-serjeant	...	...	1	...	...	...	1	1	...	...	1
Transport-serjeant	...	...	1	...	...	...	1	1	...	...	1
Orderly-room clerk (*b*)	...	...	1	...	...	...	1	1	...	...	1
Serjeant-trumpeter	...	...	1	...	...	...	1	1	...	...	1
Serjeant-cook	...	...	1	...	...	...	1	...	...	...	...
Signalling-serjeant	...	...	1	...	...	...	1	1	...	...	1
Farrier-quartermaster-serjeant	...	...	...	1	...	...	1	1	...	...	1
Saddler-serjeant	...	...	...	1	...	...	1	1	...	...	1
Saddletree-maker	...	...	...	1	...	...	1	1	...	...	1
Signallers	...	...	...	...	...	9	9	9	...	...	9
Orderlies for medical officer (*c*)	...	...	...	...	...	2	2	...	2	...	2
Drivers, for vehicles	...	...	...	...	...	3	3	...	6	...	6
Bâtmen (*d*)	...	...	...	...	...	13	13	...	...	...	...
Total	5	1	6	3	...	27	42	31	8	...	39
Attached:—											
R.A.M.C.	1	...	...	...	...	3 (*e*)	4	2	...	...	2
Veterinary officer	1	...	...	...	...	...	1	2	...	...	2
Armourer	...	...	...	1	...	...	1	...	...	...	...
Horses, for *interpreters*	...	...	...	...	...	...	...	14	...	...	14
Drivers, A.S.C. (train transport)	...	...	...	...	...	2	2	...	4	...	4
Total headquarters (including attached)	7	1	6	4	...	30	48	49	8	...	57
Machine-gun section.											
Subaltern	1	...	...	...	...	...	1	3	...	...	3
Serjeant	...	...	1	...	...	...	1	1	...	...	1
Corporal	...	...	...	...	...	1	1	1	...	...	1
Privates	...	...	...	...	...	14	14	14	...	...	14
Drivers (1st line transport)	...	...	...	...	...	8	8	...	16	...	16
Bâtmen (*d*)	...	...	...	...	...	2	2	...	...	...	...
Total machine-gun section	1	...	1	...	...	25	27	19	16	...	35

(*b*) The orderly-room clerk may be of the rank of corporal, in which case he will be deducted from the serjeants and added to the rank and file.
(*c*) Two men of the regiment (one a lance-corporal), trained for the duties, are placed under the orders of the medical officer. The private drives the cart for medical equipment.
(*d*) All bâtmen are fully armed and trained soldiers, and are available for duty in the ranks.
(*e*) Includes a corporal.

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A Cavalry Regiment—*continued.*

Composition in Detail—*continued.*

(i) *Personnel and Horses*—continued.

Detail.	Personnel.							Horses.			
	Officers.	Warrant officers.	Staff-serjeants and serjeants.	Artificers.	Trumpeters.	Rank and file.	Total.	Riding.	Draught.	Pack.	Total.
Squadron.											
Major	1	...	...	...	...	...	1	3	...	...	3
Captain	1	...	...	...	...	...	1	3	...	...	3
Subalterns	4	...	...	...	...	...	4	12	...	...	12
Squadron-serjeant-major	...	...	1	...	...	...	1	1	...	...	1
Squadron-quartermaster-serjeant	...	...	1	...	...	...	1	1	...	...	1
Serjeants	...	...	8	...	...	...	8	8	...	...	8
Farrier-serjeant	...	...	...	1	...	...	1	1	...	...	1
Shoeing-smith-corporal	...	...	...	1	...	...	1	1	...	...	1
Shoeing-smiths	...	...	...	3	...	...	3	3	...	...	3
Saddler	...	...	...	1	...	...	1	1	...	...	1
Trumpeters	...	...	...	...	2	...	2	2	...	...	2
Corporals	...	...	...	...	...	8	8	8	...	...	8
Privates	...	...	...	...	...	103	103	103	...	2(*f*)	105
Signallers, { corporal	...	...	...	...	...	1	1	1	...	...	1
Signallers, { privates (*g*)	...	...	...	...	...	2	2	2	...	...	2
Drivers (1st line transport) { for vehicles	...	...	...	...	...	4	4	...	8	...	8
Drivers (1st line transport) { for spare draught horses	...	...	...	...	...	1	1	...	2	...	2
Bâtmen (*d*)	...	...	...	...	...	12	12	...	...	...	...
Total squadron (*h*)	6	...	10	6	2	131	155	150	10	2	162
Drivers, A.S.C. (train transport)	...	...	...	...	...	*4*	*4*	...	*8*	...	*8*

Note.—The above establishment includes 3 lance-serjeants (1 per squadron) and 25 lance-corporals (orderly for medical officer with headquarters and 8 per squadron, the latter including signallers).

Details left at the Base.

Orderly-room serjeant	...	1	...	...	...	} 52	...	...	...	...
Serjeant tailor	...	1	...	...	...		...	...	...	...
Storemen	...	...	...	...	3 (*k*)		...	...	...	...
First reinforcement	...	2	...	...	44		*48* (*l*)	...	...	*48*

(*f*) For scouts.
(*g*) Not more than one per squadron may be lance-corporals.
(*h*) On taking the field the band is broken up and the men distributed among the squadrons. The bandmaster and serjeant of the band will remain at the depôt. Four men in each squadron are trained in "first aid," and 1 N.C.O. and 4 privates in pioneer duties.
(*j*) A subaltern. (*k*) One storeman will mobilize with each squadron.
(*l*) These riding horses are included in the war establishment of the Base Remount Depôt, and will be left with that unit.

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A Cavalry Regiment—*continued.*

(ii) *Transport.*

Detail.	Vehicles.	Drivers.	Horses. Draught.	Horses. Pack.
1st line.				
Headquarters, bicycles, for intercommunication	3(*m*)	...	...	...
Headquarters, cart, Maltese, for medical equipment	1	1(*n*)	2	...
Headquarters, cart, water	1	1	2	...
Headquarters, wagon, G.S., cooks'	1	2	4	...
Machine-gun section, wagons, limbered, G.S., for 2 machine guns, tripods, ammunition, and 2 sets of machine-gun packsaddlery (6 packsaddles) for use with lead horses	4	8	16	...
3 squadrons, wagons, limbered, G.S., for S.A.A. (1 per squadron)	3	6	12	...
3 squadrons, wagons, limbered, G.S., for tools and signalling equipment (1 per squadron)	3	6	12(*o*)	...
3 squadrons, drivers (1 per squadron) for spare draught horses	...	3	6	...
3 squadrons, pack horses, for scouts (2 per squadron)	...	...	...	6
3 squadrons, bicycles, for intercommunication (4 per squadron)	12(*m*)	...	...	...
Train.				
Headquarters—wagon, G.S., for baggage and supplies (p)	*1*	*2(q)*	*4*	...
3 squadrons—wagons, G.S., for baggage and supplies (3 per squadron)	*6*	*12(q)*	*24*	...
Total	28	27	54	6

(*m*) Riders will be detailed as required from the rank and file.
(*n*) Medical officer's orderly.
(*o*) The 2 lead horses of each wagon are provided with G.S. packsaddlery.
(*p*) Arrangements may, if necessary, be made for the carriage of the headquarters' baggage in the baggage wagon or wagons of one or more squadrons.
(*q*) Provided by the Army Service Corps.

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Section 3.—FIELD KITS.

A.—Mounted Officers.

Detail.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
A.—Clothing Worn by the Officer.				
Boots, lace ... ... pair	1	2	11	
Braces ... ... ,,	1	0	4	
Cap, service dress, with badge	1	0	9	
Disc, identity, with cord ...	1	0	0½	
Leggings ... ... pair	1	0	13	
Socks ... ... ,,	1	0	4	
Suit, service dress (jacket and riding breeches)	1	4	13	
Spurs ... ... pair	1	0	12	
Underclothing ... ... suit	1	3	0	
Total (A)	...	13	2½	
B.—Other Personal Effects.				
Books, A.B. 155	1	1	0	
Books, Field service pocket book	1	0	6½	
Cap, comforter (in pocket of greatcoat)	1	0	3½	
Compass, magnetic, pocket (or prismatic, in case)	1	0	4	
Cutters, wire (in wallets) pairs	1	1	4	
Dressing, field (in skirt of jacket)	1	0	2	
Glasses (binoculars or telescope, or both, in one case)§...	1	2	0	§ Slung from left shoulder.
Grease (or vaseline) in wallets ... ... tin	1	0	2	
Greatcoat‖	1	7	1½	‖ Rolled, 26 inches long, behind saddle.
Handkerchief	1	0	2	
Holdall (in wallets), containing **knife, fork** and **spoon, hairbrush** and **comb, toothbrush, shaving brush** and **razor**	1	1	3	

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A.—Mounted Officers—*continued.*

Detail.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks
B.—Other Personal Effects—*continued.*				
Knife, clasp, with ring and swivel	1	0	6	
Map	1	0	2	
Matches ... ... box	1	0	1	
Soap (in wallets) ... piece	1	0	3	
Socks (in wallets) ... pairs	1	0	4	
Towel (in wallets)	1	0	13	
Watch (in wrist strap) ...	1	0	4	
Whistle and **lanyard**... ...	1	0	2½	
Total (B)	...	16	0	
C.—Accoutrements (Sealed Pattern).				
Belt, "Sam Browne" (**waist-belt, 2 shoulder belts, ammunition pouch** and **pistol case,** and **sword frog**	1	2	0	
Haversack	1	0	11	
Mess-tin*	1	1	9	* Fastened by off baggage strap to off side of saddle.
Sword knot	1	0	1½	
Waterbottle (aluminium) and **sling**	1	0	14	
Total (C)	...	5	3½	
D.—Arms.				
Pistol (no special pattern, but must carry Government ammunition)	1	2	3	On left side of S.B. belt.
Sword	1	2	1½	On near shoe case, edge to rear.
Scabbard, leather	1	0	9½	
Total (D)	...	4	14	
E.—Ammunition.				
Cartridges, S.A. ball, pistol, Webley ... ... rounds	12	0	9½	

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A.—Mounted Officers—*continued.*

Detail.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
F.—Rations and Water.				
Bread ration (unconsumed portion) ... ... say	...	0	12	* One iron ration will be carried normally in the haversack. If a second iron ration is ordered to be carried, it will be distributed in the officer's equipment as found most convenient.
Cheese	...	0	3	
*Iron Ration: **Biscuit**	...	0	12	
*Iron Ration: **Preserved meat** nominal	...	1	0	
*Iron Ration: **Tea** ⅝ oz., **Sugar** 2 oz., **Salt** ½ oz. (In a tin)	...	0	6½	
*Iron Ration: **Cheese**	...	0	3	† In addition to this list, officers may, at their own discretion, provide a **despatch** or **saddle-bag**, sealed pattern. If an officer is allowed more than one horse, the saddlebag can be carried on the spare horse.
*Iron Ration: **Meat extract** ¼ cubes	2	0	1	
Water ... ... pints	2¼	2	13	
Total (F)	...	6	2½	
G.—†Saddlery, Picketing Gear, Stable Necessaries, &c.				
Bags, corn	1	0	6	
‡**Bag**, nose, G.S., with 6 lbs. corn	1	7	0	‡ When empty, on the off shoe case fastened to the baggage strap. When oats are carried the strap of the nosebag must be fastened to the back arch of the saddle.
§**Brush**, horse	1	0	10	
Pad, surcingle	1	0	10	
‖**Peg**, picketing	1	1	3	
Ropes, ‖**heel**	1	0	11	
Ropes, **picketing**	1	0	15	
§**Rubber**, horse	1	0	10	§ The method of carrying the horse brush and rubber is left to the discretion of the O.C., except that these articles are not to be carried in the nosebag.
¶**Saddlery**, complete, with **bridle** and **head rope** set	1	33	12	
Shoe cases, each with **shoe** and **nails**	2	3	4	
Total (G)	...	49	1	
Total Weight Carried on the Horse.				‖ Heel ropes are allowed for use with restive horses on a scale of 25 per cent. An additional peg is issued with each heel rope.
A.—Clothing	...	13	2½	
B.—Other personal effects ...	...	16	0	
C.—Accoutrements	...	5	3½	
D.—Arms	...	4	14	
E.—Ammunition	...	0	9½	¶ Excludes weight of saddle blanket. Saddle blankets for officers' horses are carried in transport vehicles on the march.
F.—Rations and water	...	6	2½	
G.—Saddlery, picketing gear, stable necessaries, &c. ...	...	49	1	
H.—Rider ... ... say	...	150	0	
Total on horse ...	...	245	1	Say 17½ st.

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A.—Mounted Officers—*continued.*

Carried in Train Transport.

The following list is drawn up as a general guide, and the articles in it may be varied, but the total weights (excluding articles in camp kettles) of 50 lbs. for a commanding officer and 35 lbs. for other officers, must not be exceeded.

Detail.	No.	Approximate weight. lbs.	Approximate weight. oz.	Remarks.
A.F. B 122 (cover and pad). Field conduct book	*1*	*0*	*11*	*Squadron commanders only.*
A.B. 6 (cover) A.F. N 1513 (pad). Acquittance roll...	*1*	*0*	*15*	*Squadron commanders only.*
Boots, lace ... ... pair	1	2	11	
Bucket, canvas	1	1	4	
Housewife	1	0	4	*In camp kettle.*
Lantern, collapsible, with talc sides	1	0	12	One camp kettle is allowed for every 3 officers, who pack into it, each:—
Leggings ... ... pair	1	0	13	
Portfolio, with writing materials	1	1	0	**Cup, enamelled**... 1
Shoes, canvas ... ... pair	1	1	5	**Plates, enamelled** 2
Socks ... ... ,,	1	0	4	**Pots,** {**pepper** ... 1 **salt** ... 1
Suit, service dress	1	4	13	
Towels	2	1	10	The weight of these
Underclothing... ... suit	1	3	0	articles is not included in
Valise, Wolseley (or other pattern)	1	11	3	the 50 or 35 lbs. allowed to each officer.
Total	...	28	15	

Note.—Officers may leave at the base a bullock trunk packed with 100 lbs. of personal baggage. This reserve baggage will be forwarded only when it may be deemed convenient to the service by the Commander-in-chief.

B.—Mounted Men.

Detail.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
A.—Clothing, Necessaries, &c., Worn by the Soldier or Carried on the Horse.				
Boots, ankle ... ... pair	1	3	14	
Braces ... ... ,,	1	0	4½	
Cap, service dress, with **badge**	1	0	8	
Disc, identity, with cord ...	1	0	0½	
Drawers, cotton... ... pair	1	0	15½	

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B.—Mounted Men—*continued.*

Detail.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks
A.—Clothing, Necessaries, &c., Worn by the Soldier or Carried on the Horse—*continued.*				
Dressing, field (in skirt of service dress jacket)	1	0	2½	* Troops wearing khaki drill sent on active service from a warm to a temperate climate will be supplied with service dress jackets as soon as available.
Greatcoat with metal titles (7 lbs. 8¾ ozs.); **comforter cap** (3½ ozs.) and pair of **socks** (4¼ ozs.) in pockets ...	1	8	0½	
Jacket, service dress,* with metal titles	1	2	6¾	† In warm weather the cardigan may be carried in the folds of the greatcoat.
Knife, clasp, with marline spike, tin opener and lanyard ...	1	0	7½	
Pay-book (in right breast pocket of service dress jacket)	1	0	2	‡ Warrant officers, staff-serjeants and serjeants have each a cavalry **whistle** and lanyard.
Pantaloons ... ... pair	1	2	6	
Puttees ... ... ,,	1	0	13	
Shirt, flannel	1	1	1½	
Socks, worsted ... ... pair	1	0	4¼	
Spurs, jack ... ... ,,	1	0	15½	§ **Rifles** of drivers of G.S. limbered wagons will be carried in the clips provided on the wagon for that purpose. On vehicles not specially fitted the rifles will be carried on wagon footboards.
Waistcoat, cardigan†	1	1	6	
In Haversack:—				
Holdall (4 ozs.) containing **laces** (¼ oz.), **tooth-brush** (1 oz.), **razor** and **case** (3 oz.), **shaving-brush** (1 oz.), **comb** (1 oz.), **knife** (3¼ ozs.), **fork** (3¼ ozs.), **spoon** (2½ ozs.)...	1	1	3¼	
Housewife, fitted	1	0	3½	
Soap ... ... piece	1	0	3	
Towel, hand	1	0	9	
Total (A)‡	...	25	14¾	The **lance** will form part of the war equipment of lancer regiments only. **Lance flags** will not be carried. Lances will be carried in rifle buckets when men dismount.
B.—Arms.§				
Rifle, with **oil bottle, pull-through** and **sling**	1	8	15¾	‖ Signallers will carry neither the sword nor lance. Warrant officers, staff-serjeants and serjeants also carry the **pistol,** with **lanyard, waist-belt, pistol case, ammunition pouch,** and **12 rounds,** but are not armed with the rifle.
Sword, scabbard, and **sword-knot**‖	1	4	8	
Total (B)	...	13	7¾	

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B.—Mounted Men—*continued.*

Detail.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
C.—Ammunition.				
Cartridges, S.A., ball, ·303-inch¶ ... ... rounds	100†	6	0	¶ Signallers will carry only 50 rounds.
				† Per man armed with the rifle.
D.—Accoutrements.**				
Bandolier, 90 rounds	1	1	13	** Men carrying pistols or mekometers have a **waist-belt, bandolier equipment, patt. '03.**
Bottle, water, enamelled, with **carrier** and **shoulder-strap**	1	1	6	
Haversack	1	1	3	
Mess-tin and **strap**	1	1	6	
Total (D)	...	5	12	
E.—Rations and Water.				
Bread ration (unconsumed portion) ... ... say	...	0	12	
Cheese	...	0	3	
*Iron Ration: **Biscuit**	...	0	12	
*Iron Ration: **Preserved meat**	...	1	0	
*Iron Ration: **Tea**, ⅝ oz., **Sugar**, 2 oz., **Salt**, ½ oz. (In a tin)	...	0	6½	* One iron ration will be carried, normally, in the haversack. If a second iron ration is ordered to be carried, it will be distributed in the man's equipment as found most convenient.
*Iron Ration: **Cheese**	...	0	3	
*Iron Ration: **Meat extract**, cubes	2	0	1	
Water ... ... pints	2	2	8	
Total (E)	...	5	13½	
F.—Saddlery, Horse Furniture, Stable Necessaries, and other Articles Carried on the Horse.				
Bags, **corn nose**, G.S., with 6 lbs. corn	1	0	6	
	1	7	0	
Brush, horse	1	0	10	
Bucket, water, G.S., canvas ...	‡	1	4	‡ For scale of issue *see* EquipmentRegulations.
Pad, surcingle	1	0	10	

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B.—Mounted Men—*continued.*

Detail.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
F.—Saddlery, Horse Furniture, Stable Necessaries, and other Articles Carried on the Horse—*continued.*				
Peg, picketing*	1	1	4	* Heel-ropes are only issued to 25 per cent., for use with restive horses. An additional picketing peg is issued with each heel-rope.
Ropes, {**heel***	1	0	11	
{**picketing**	1	1	1	
Rubber, horse	1	0	10	
Saddlery, with **saddle-blanket, head-rope,** and **rifle-bucket** ... ... set	1	31	0	
Shoes, horse; one fore, one hind (in shoe cases)	2	1	8	
Total (F)	...	46	0	
Total Weight Carried on the Horse.				
A.—Clothing, necessaries, &c.	...	25	14¾	
B.—Arms	...	13	7¾	
C.—Ammunition...	...	6	0	
D.—Accoutrements	...	5	12	
E.—Rations and water	...	5	13½	
F.—Saddlery, &c.	...	46	0	
G.—Rider ... ... (say)	...	150	0	
Total on horse	...	253	0	= 18 st. about.

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C.—Additional Articles Carried on the Man or Horse.

Articles.	No. per Regiment.	Weight of each. lb.	Weight of each. oz.	By whom carried.	Remarks.
Musical instruments:—					
Bugles, with strings	4	1	6	Serjeant trumpeter and 1 per squadron.	
Trumpets, with strings	7	1	6	Serjeant trumpeter and trumpeters.	
Signalling equipment	...	...	...	*See* Section 7F.	
Reconnaissance equipment:—					
Binoculars, in cases, **prismatic** ... ... pairs	149	2	15	Corporals and upwards; and by certain proportion of lower ranks.	
Binoculars, in cases, **non-prismatic** ... ,,	22	1	14		
Compasses, magnetic, pocket, Mark V ...	30	...	$1\frac{3}{4}$	Scouts.	
Telescopes, signalling, with stands	4	3	2	As convenient.	
Veterinary equipment:—					
Wallets, veterinary	4	7	4	Farrier Q.M.S. and farrier serjeants.	
Miscellaneous:—					
Bags, tool, farriers' (filled)	15(*b*)	14	7	Shoeing-smith corporals and shoeing-smiths. Three of these tool bags (for farrier serjeants) will be carried in transport vehicles on the march. (*See* page 33).	(*b*) In addition to the usual sets, 7 pairs of **pincers, horn, cutting,** are distributed amongst the farriers and shoeing-smiths.
Cutters, wire, with frogs ... ... pairs	54	1	4	18 pairs per squadron; as convenient.	
Mekometers, complete ... ... sets	4(*c*)	6	7	Range-takers.	(*c*) Includes a set for M.G. section. 16 yards of spare cord are carried in M.G. spare part box.
Reflectors, mirror, S.A., ·303-inch	9	...	1	3 per squadron; by senior N.C.Os.	
Stretchers, ambulance	3	34	0	1 per squadron; in Maltese cart on the march, and in action by regimental stretcher bearers (*d*).	(*d*) Stretcher bearers wear an armlet on the left arm when actually employed as such. 10 **armlets** are allowed per regiment.
Whistles, cavalry, with lanyard	37	0	3	Warrant officer, staff-serjeants, serjeants and corporals (except artificers).	

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D.—Notes on the Method of

Articles forming part of sets of harness and saddlery

Articles.	Riding horses.			Pack horses.
	Officers' horses.		Troop horses.	
	Horse ridden.	Spare.		
Bag, corn, 8 lbs.	Top of cloak ...	As convenient	Top of great-coat	On pack ...
Bag, nose, G.S. (filled with 6 lbs. corn)	Off side, hind arch of saddle	Round neck ...	Near side, hind arch of saddle	Near side ...
Bag, tool, farriers' (filled) ...	...	...	Off side, hind archt	...
Blanket, saddle	In wagon ...	On back with surcingle	Under saddle...	Under saddle...
Brush, horse	...	...	At discretion	of commanding
Bucket, water, G.S., canvas	...	As convenient	As convenient	As convenient
Cutters, wire (in frog) ...	Off side on shoe case	...	Near side, front of shoe case	...
Greatcoat, (with comforter cap, and pair of socks in pocket)	Behind saddle	...	Front of saddle	...
Mess-tin	Rear of near hind arch	...	Rear of near hind arch	...
Pegs, picketing, for use with picketing rope	Strapped on sword scabbard	As convenient	Strapped on sword scabbard	On pack ...
Pegs, picketing, for use with heel rope (when carried)	As convenient	As convenient	As convenient	On pack ...
Ropes, **head**	Round neck ...	Round neck ...	Round neck ...	Round neck ...
Ropes, **heel** (when carried)	Off side, hind arch of saddle	As convenient	Off side, hind arch of saddle	On pack, off side
Ropes, **picketing** ...	Round neck ...	Round neck ...	Round neck ...	Round neck ...
Rubber, horse...	...	...	At discretion	of commanding
Wallets, veterinary... ...	...	...	Off side on hind arch	...

Notes.—1. Officers may, at their own discretion, provide a **despatch** or **saddlebag** the spare horse.

2. Commanding officers may authorize **picketing gear,** or any part of it, to carried in 1st line transport vehicles.

3. When **luggage saddle** is carried on the off horse, the nosebags of both long, and nosebags secured to rear arches on either side of saddle.

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CARRYING CERTAIN ARTICLES.

(except saddle blankets) are not included in this Table.

Draught horses, 1st line (with regimental drivers).		Draught horses, train transport (with A.S.C. drivers).		Spare horses.	Remarks.
Near horse.	Off horse (when wearing luggage saddle).	Near horse.	Off horse (when wearing luggage saddle).		
Top of greatcoat	*On saddle ...	...	...	As convenient	
Near side, hind arch of saddle	*Off side, hind arch	*On off horse	Secured to rear arches on either side of luggage saddle	Round neck ...	*In wagon when luggage saddle is carried in the wagon.
...	...	...	...	...	†Toolbags farrier serjeants are carried for them in transport wagons.
Under saddle ...	*In wagon ...	Under saddle	*In wagon ...	On back with surcingle	
officer, but not to	be in the nose	bag.			
...	...	...	...	As convenient	
...	...	...	...	...	
Front of saddle	...	...	On luggage saddle	...	
Rear of near hind arch	...	Rear of near hind arch	...	...	
On greatcoat ...	*On luggage saddle	In wagon ...	In wagon ...	As convenient	
On greatcoat ...	*On luggage saddle	In wagon ...	In wagon ...	As convenient	
Round neck ...	Round neck ...	Round neck	Round neck	Round neck ...	
Off side, hind arch	*On luggage saddle	In wagon ...	In wagon ...	As convenient	
Round neck ...	Round neck ...	In wagon ...	In wagon ...	Round neck ...	
officer, but not to	be in the nose	bag.			
...	...	...	...	...	

(sealed pattern). If an officer is allowed more than one horse, the saddlebag can be carried on be carried in the wagons. A proportion of **mallets, heelpeg** (about 1 to 20 horses) will be horses, and the driver's greatcoat, are fastened to the luggage saddle; greatcoat rolled 23 inches

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E.—Cavalry Cyclist.

(With Mark IV bicycle.)

15 bicycles are allowed per regiment, riders will be detailed as required from rank and file.

Articles.	No. and how carried.				Approximate weight.		
		On bicycle.					
	On cyclist.	Front carrier.	Rear carrier.	In clips.	lbs.	ozs.	
A.—Clothing, Necessaries, &c., Worn by the Soldier or Carried on the Bicycle.							
Boots, ankle ... ... pair	1	...	...	...	3	14	
Braces ... ... ,,	1	...	...	...	0	4½	
Cap, service dress, with **badge** ..	1	...	...	...	0	8	
Disc, identity, with cord	1	...	...	...	0	0½	
Drawers, cotton .. ... pair	1	...	...	...	0	15½	
Dressing, field (in skirt of service dress jacket)	1	...	...	...	0	2½	
Greatcoat (7 lbs. 8¾ ozs.), with **comforter cap** (3½ ozs.) and pair of **socks** (4½ ozs.) in pockets	...	...	1	...	8	0½	
Jacket, service dress,* with metal titles	1	...	...	...	2	6¾	
Knife, clasp, with marline spike, tin opener and lanyard	1	...	...	...	0	7½	
Pay-book (in right breast pocket of service dress jacket)	1	...	...	...	0	2	
Pantaloons ... ... pair	1	...	...	...	2	6	
Puttees ... . ,,	1	...	...	...	0	13	
Sheet, ground (for use as cape) ...	...	1	...	...	2	8	
Shirt, flannel	1	..	...	...	1	1½	
Socks, worsted .. ... pair	1	...	...	...	0	4½	
Waistcoat, cardigan†	1	...	...	...	1	6	
In Haversack:—							
Holdall (4 ozs.) containing **lace** (¼ oz.), **tooth-brush** (1 oz.), **razor** and **case** (3 ozs.), **shaving-brush** (1 oz.), **comb** (1 oz.), **knife** (3½ ozs.), **fork** (3½ ozs.), **spoon** (2½ ozs.),...	1	...	...	...	1	3½	
Housewife, fitted	1	...	...	...	0	3½	
Soap ... ... piece	1	...	...	...	0	3	
Spurs, jack .. ... pair	1	...	...	...	0	15½	
Towel, hand	1	...	...	...	0	9	
Total (A) *	...	...	...	...	28	6¾	

* Troops wearing khaki drill sent on active service from a warm to a temperate climate will be supplied with service dress jackets as soon as available.

† In warm weather the cardigan may be carried in the folds of the greatcoat.

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E.—Cavalry Cyclist—*continued.*

Articles.	No. and how carried.				Approximate weight.	
		On bicycle.				
	On cyclist.	Front carrier.	Rear carrier.	In clips.	lbs.	ozs.
B.—Arms.						
Rifle, with **oil bottle**, **pull-through** and **sling**	...	...	...	1	8	15½
C.—Ammunition.						
Cartridges, S.A., ball, ·303-inch ... ... rounds	100	...	...	...	6	0
D.—Accoutrements.						
Bandolier, 90 rounds	1	...	...	...	1	13
Bottle, water, enamelled, with carrier and **shoulder-strap** ...	1	...	...	...	1	6
Haversack	1	...	...	...	1	3
Mess-tin and **strap**	...	1	6	...	1	6
Total (D)	...	...	...	...	5	12
E.—Rations and Water.						
Bread ration (unconsumed portion) ... ... say	1	...	...	...	0	12
Cheese ... ... piece	1	...	...	...	0	3
*Iron Ration: **Biscuit**... ration	1	...	...	...	0	12
*Iron Ration: **Preserved meat** ...	1	...	...	...	1	0
*Iron Ration: **Tea**, ⅛ oz., **Sugar**, 2 oz., **Salt**, ½ oz. — In a tin	1	...	...	...	0	6½
*Iron Ration: **Cheese**... ...piece	1	...	...	...	0	3
*Iron Ration: **Meat extract** cubes	2	...	...	...	0	1
Water ... ...pints	2	...	...	...	2	8
Total (E)	...	...	...	...	5	13½
Total Weight Carried.						
A.—Clothing, necessaries, &c. ...	...	...	...	...	28	6½
B.—Arms	...	...	...	...	8	15½
C.—Ammunition	...	...	...	...	6	0
D.—Accoutrements	...	...	...	...	5	12
E.—Rations and water	...	...	...	...	5	13½
Total on bicycle ...	...	...	...	...	55	0

* One iron ration will be carried, normally, in the haversack. If a second iron ration is ordered to be carried, it will be distributed in the man's equipment as found most convenient.

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F.—Articles left at the Base.

Warrant officers, non-commissioned officers and men.

Kit bags, containing the spare kit detailed below, will be handed over to the O.C. base details to be taken to the oversea base with the base details, and will be left in charge of storemen at the General Base Depôt to be forwarded only as may be deemed convenient to the service by the General Officer Commanding-in-Chief.

Articles.	No.	Remarks.
Clothing.		
Boots, ankle ... ... pair	1	
Drawers, cotton ... ... ,,	1	
Jacket, service dress (*a*)	1	(*a*) Khaki drill frock and trousers will be left at the base by troops wearing khaki drill clothing.
Trousers, service dress (*a*) ... pair	1	
Necessaries.		
Brush, hair	1	
Shirt, flannel	1	
Socks, worsted ... ... pair	1	
Towel, hand	1	

The boots will be tied together, with the soles outwards, the regimental number of the man and the name of the unit to which he belongs being chalked or otherwise legibly marked on the soles. The boots will be placed in the mouth of the kit bag to admit of their being readily withdrawn, should it be necessary to forward them separately to the troops in the field.

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Section 4.—PACK AND SPARE ANIMALS.

A.—Pack Horses for Scouts.

(2 per Squadron.)

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
Bags, line gear	1	0	9	
Bags, corn	1	0	6	
Bags, nose, G.S., with unexpended forage say	1	7	0	
Blanket, saddle...	1	5	4	
Brush, horse (*a*)	1	0	10	(*a*) Not to be carried in nosebag.
Bucket, water, G.S. canvas (*b*)	1	1	4	(*b*) Carried by every alternate pack horse.
Mallet, heel-peg...	1	2	8	
Packsaddlery, G.S., large set	1	65	0	
Pad, surcingle	1	0	10	
Pegs, picketing (*c*)	2	2	8	(*c*) Includes one for heel-rope, when carried.
Ropes, head	1	0	13	
Ropes, heel (*d*)	1	0	11	(*d*) 25 per cent. only; for restive horses.
Ropes, picketing	1	1	1	
Rubber, horse (*a*)	1	0	4	
Sheet, ground	1	2	8	
Shoes, horse (fore), with nails (*e*)... ... ... pair	1	2	3	(*e*) In shoe-case, in line gear bag.
Additional gear ... ... say	...	2	0	
Load as required, not to exceed	...	180	0	
Total equipment and load ...	...	275	3	

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B.—Articles Carried by Spare Horses.

Each spare horse will carry one of each of the following articles :—

Bags, { corn / nose, G.S.
Bit, bridoon, pattern 1884.
Blanket, saddle.
Brush, horse.
Collar, head.
Pad, surcingle.
Peg, picketing, with rope loop.
Reins, bit.
Ropes, { head. / picketing.
Rubber, horse.
Surcingle, leather.

In addition to the above, the following articles are distributed amongst the spare horses in the proportion shown :—

Buckets, water, G.S., canvas ... 1 per 2 horses.
Ropes, heel (with picketing peg) ... 1 per 4 horses.

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Section 5.—CART AND WAGON EQUIPMENT.*

A.—Maltese Cart.

(1 *per Regiment.*)

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	How packed.	Remarks.
Axes, **felling,** curved helve...	1	6	0	On the rear underside of the cart.	
Axes, **pick,** head	1	4	8	On the rear underside of the cart.	
Axes, **pick,** helve, 36-inch, ferruled ...	1	3	4	On the rear underside of the cart.	
Board, inventory, with list	1	0	11	As convenient.	
Brush, water, carriage ...	1	0	10	As convenient.	
Bucket, water, G.S., canvas	1	1	4	Tied to the end of rope which secures tarpaulin cover.	
Cordage, tarred, spunyarn, hemp, 3-thread lbs.	5	5	0	In the body of the cart.	
Grease, lubricating ,,	3	3	0	In the grease box.	
Hook, bill	1	2	0	On the front underside of cart.	
Lashings, tarred, 1½-inch, 16-feet	4	6	12	On the body of the cart.	
Ropes, drag, light, G.S. pair	1	6	6	On the body of the cart.	
Shovels, G.S.	2	7	0	One on each side.	
Valise, horseshoe, with 6 pairs of shoes (and nails)	1	20	0		
Total equipment ...	...	66	7		
					(*a*) **Cover.**
Maltese cart (with components, accessories (*a*), and spare parts (*b*)) ...	...	733	0		(*b*) Carried in the pocket on the off side, and consisting of:— **Pins,** linch, 3rd class... 1 **Washer,** drag, 3rd class, "B" 1
Cart equipped ...	...	799	7	= 7 cwt., about.	

* **Horseshoes** do not form part of cart and wagon "equipment," but will be taken from the "spare" allowed for the unit and carried in valises, in the proportions shown in this Section.

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B.—Cart, Water, Tank, with Filtering Apparatus.

(1 *per Regiment.*)

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	How packed.
Board, inventory, with list ...	1	...	11	In small store box.
Brushes, **cleaning, tank** (*b*)	1	...	12	In sterilizing kettle.
Brushes, **washing**	1	...	1½	In small store box.
Brushes, **water,** carriage ...	1	...	10	In small store box.
Buckets, water, G.S., canvas	1	1	4	As convenient.
Clarifying powder (*a*) lbs.	2	2	0	In 4 tins.
Cordage, tarred, spun yarn, hemp, 3-thread ... ... lbs.	5	5	0	Secured by lashing as convenient.
Grease, lubricating ... ,,	3	3	0	In grease box.
Spanners, **Apparatus filtering** ...	1	0	6½	In small store box.
Spanners, **McMahon,** 9-inch	1	1	7	In small store box.
Spanners, **No. 287** (differential pump) (*a*)	1	...	6½	In small store box.
Valise, horseshoe, (with 3 pairs of shoes and nails) ...	1	9	0	On cart.

	No.	Marks of cart.
(*c*) **Covers,** short rifle	1	IIA to III
Kettle, sterilizing candles, apparatus filtering	1	,,
Measure, clarifying powder, 83 grains	1	IIc and III
(*d*) Carried in small store box and consisting of:—		
Bands, candle cover, sterilizing filter	12	IIA to III
Blocks, brake, field and transport ...	2	,,
Candles, apparatus filtering, sterilizing	8	,,
Caps, protecting couplings filling pipes, cart, water tank...	4	,,

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Total equipment,	Marks IIA and IIB carts	22	8		
	Mark IIc cart	24	14½		
	Mark III cart	25	10½		
Cart, water tank (with components, accessories (*c*), and spare parts (*d*)	Marks IIA and IIB	1,473	8	Approximate.	
	Mark IIc	1,650	0		
	Mark III	1,685	0		
Cart, equipped (approximate)	Marks IIA and IIB	1,496	0		
	Mark IIc	1,674	14½		
	Mark III	1,710	10½		

Collars, cylinder cover bolts, apparatus filtering	2	,,
Covers, clarifying reels, apparatus filtering (cloth)	2	IIc and III
Nuts, hexagon, ⅜-inch	2	IIA and IIB
Nuts, wing, cylinder cover bolts, apparatus filtering	2	IIA to III
Packings, differential pump (in tin box):—	...	...
Rings, leather, L section, set of 3 sets	1	IIc and III
Washers, leather, set of 4 ,,	1	,,
Pins, linch, 2nd class	1	III
Pins, linch, 3rd ,, ...	1	IIA to IIc
Reels, clarifying, apparatus filtering (cloth covered)	2	IIc and III
Rings (rubber, round section), cylinder cover, clarifying filters	2	IIA to III
Rings (rubber, round section), candle spindle, sterilizing filters	12	IIA to III
Strips, cover, clarifying reel (rubber)...	4	IIc and III
Twine, packing, middling ... balls	1	IIA to III
Tap, water, small, No. 3...	1	,,
Washers, candle spindle sterilizing filter (leather)	8	,,
Washers, clarifying reel (rubber)	12	IIc and III
Washers, cylinder cover, sterilizing filters (rubber)	2	IIA to III
Washers, drag, 2nd class "C"	1	III
Washers, drag, 3rd ,, "B"	1	IIA to IIc
Washers, union, ¼-inch hose...	8	IIA
Washers, union, ⅜ ,, ,, ...	8	IIB to III

(*a*) Marks IIc and III carts only.

(*b*) Mark III carts only.

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C.—G.S. Limbered Wagon.

(10 *per Regiment.*)

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	How packed.	Remarks.
Fore Portion.					
Board inventory, with list	1	0	11	Locker near side.	
Brush, water, carriage ...	1	0	10	Near side.	
Buckets, water, G.S., canvas	2	2	8	Tied to end of rope which secures tarpaulin cover.	
Cordage, spunyarn, hemp, tarred, 3-thread lbs.	5	5	0	Near side.	(*a*) Comprising— **Hammer,** claw, 14-oz. 1
Grease, lubricating ,,	3	3	0	In the grease box.	**Pincers,** carpenters pair 1
Ropes, drag, light, G.S. pair	1	6	6	Off side.	**Screwdriver,** G.S., 6-inch 1
Tools, opening, S.A.A. boxes ... ... set (*a*)	1	3	10	Locker, near side.	**Spanner,** McMahon, 9-in. 1
Valise, horseshoe, with 6 pairs of shoes (and nails)	1	20	0		(*b*) **Attachments,** hame supporting pole bar 4
Hind Portion.					**Covers,** short rifle ... 2
Grease, lubricating lbs.	3	3	0	In the grease box.	**Covers,** wagon 2
					(*c*) The following spare parts are carried in the near side locker, fore portion—
Total equipment ...	...	44	13		**Blocks,** brake, field and transport 2
G.S. limbered wagon (with components) accessories (*b*), covers and spare parts (*c*)	...	1,235	8		**Collar,** adjusting, 2nd class "C," capped wheels 1
					Pins, linch, 2nd class "C" capped wheels ... 1
G.S. limbered wagon, equipped	...	1,280	5	= 11½ cwt., about.	**Washer,** drag, 2nd class "C," capped wheels ... 1

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D.—G.S. Wagon.

(8 *per Regiment.*)

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	How packed.
Axes, felling, curved helve	1	6	0	In the locker.
Axes, pick, head	1	4	8	In the locker.
Axes, pick, helve, 36-inch, ferruled	1	3	4	In the locker.
Board, inventory, with list	1	0	11	In the locker.
Buckets, water, G.S., canvas	2	2	8	In the locker.
Brush, water, carriage	1	0	10	In the locker.
Cordage, tarred, spunyarn, hemp, 3-thread ... lbs.	5	5	0	In the locker.
Grease, lubricating ... ,,	6	6	0	In the grease boxes.
Hook, bill	1	2	0	In the locker.
Ropes, drag, light, G.S. pair	1	6	6	Strapped under the raves, off side.
Shovels, G.S.	2	7	0	In the locker.
Valise, horseshoe, with 6 pairs of shoes (and nails)	1	20	0	
Total equipment	...	63	15	
G.S. wagon (with components, accessories (*a*), and spare parts (*b*))	...	1,932	8	
G.S. wagon equipped	...	1,996	7	= 18 cwt., about.

Remarks.

(*a*) **Cover** ... ... 1 Mk. III to X*
Covers, short rifle ... ... 3 Mks. VIII to X*
Spanner No. 93 ... ... 1 §

(*b*) **Swingletree,** 1; and the following packed in the locker:—

	No.	Mark of Wagon.
Blocks, brake, field and transport	2	VI to X*
Collars, adjusting:—		
2nd class "C," capped wheels	1	X*
3rd class "B," ,, ,,	1	X*
Lashings, tarred, 1½ inch, 32-feet†	1	III to X*
Pins, linch, 2nd class	1	IX and X‡
Pins, linch, 3rd class	1	III to X
Pins, linch, 2nd class "C," capped wheels	1	X*
Pins, linch, 3rd class "B," ,, ,,	1	X*
Washers, drag, 2nd class "C"	1	IX and X‡
Washers, drag, 3rd class "B"	1	III to X
Washers, drag, 2nd class "C," capped wheels	1	X*
Washers, drag, 3rd class "B," capped wheels	1	X*

† Lashings, white, 1-inch, 32-feet; when 1½-inch tarred lashings are used up.
‡ Also Marks VI to VIII** with 2nd class hind axletrees.
§ Marks IX, X and X* wagons; only required when using No. 43 wheel

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Section 6.—CART AND WAGON LOADS.

The distribution of the loads carried by transport vehicles shown in this section has been arrived at after a series of packing trials, and a departure from it would only be justified by exceptional circumstances.

For purposes of calculation the load of a 4-horse G.S. wagon is estimated as approximately 2,700 lbs. The weights of individual items in the loads, of different Marks of wagons, and of individual wagons of the same Mark may be found to vary.

The articles of "wagon equipment" and such articles of the "loads" as luggage saddles, spare wheels and poles, &c., which are required for general transport purposes, will at all times remain with the vehicles, and are not to be left with the unit when vehicles return to refill.

A.—Maltese Cart.

(1 *per Regiment.*)

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
In the body.				
Blanket, saddle (*a*)	1	5	4	(*a*) For the off horse.
Companion, medical, complete, with water-bottle (filled) ...	1	19	2	
Haversack, surgical, complete, with water-bottle (filled) ...	1	13	2	
Panniers, medical, (complete) { No. 1 ...	1	91	0	
{ No. 2 ...	1	72	0	
Stretchers, ambulance ...	3	102	0	
Load	...	302	8	
Maltese cart, equipped (*cf.* page 25)	...	799	7	
Total, loaded cart ...	...	1,101	15	= 10 cwt., about.

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B.—Cart, Water (Filter).

(1 *per Regiment.*)

Articles.	No.	Approximate weight		Remarks.
		lbs.	ozs.	
Blanket, saddle (*a*)	1	5	4	(*a*) For the off horse.
Water ... ... galls.	114	1,140	0	
Water cart, equipped (*cf.* page 26):—				
Marks IIA and IIB	...	1,496	0	
Mark IIc	...	1,674	14½	
Mark III	...	1,710	10½	
Total loaded cart:—				
Marks IIA and IIB	...	2,641	4	= 23½ cwt., about.
Mark IIc	...	2,820	2½	= 25 cwt., about.
Mark III	...	2,855	14½	= 25½ cwt., about.

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C.—Cooks' Wagon.

(1 *G.S. Wagon per Regiment.*)

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
In the locker.				
Balance, spring, 80 lbs. (*a*) ...	1	3	11	(*a*) On hook.
Box, candle, F.S. (filled) ...	1	1	11	
Forage, compressed ... bale	1	82	0	Or 2 bales each 40 lbs. net.
Knives, opening tins	2	1	8	
Lantern, tent, folding... ...	1	7	8	
Luggage saddle, &c. (*b*) ...	1	43	4	(*b*) With appurtenances as at (*i*), and articles (*j*), page 34.
Reins, driving, long ... set	1	4	4	
In the body.				
Equipment and Stores:—				
Blankets, saddle (*c*)... ...	2	10	8	(*c*) For the off horses.
Implements, butchers set	1	37	0	
Kettles, camp, oval, 12 quarts, for officers (packed)	9	153	0	
Kettles, camp, oval, 12 quarts, for other ranks ...	32	272	0	
Mallets, heelpeg	2	5	0	
Surcingle, leather (*d*) ...	1	0	15	(*d*) For the off lead horse.
Whip, driving	1	1	0	
Supplies:—				
Groceries:—				
Mustard		2	13½	7 tins of ¼ lb. net (6½ oz. gross) each.
Pepper		1	5¾	In 1-lb. tin.
Salt		18	14	In a sack.
Sugar		69	8	In a sack.
Tea		13	5	10½ lbs. in a canister; plus weight of canister.
Jam		94	10	50 lbs. in a case, and 17 tins of 1 lb. each.
Meat, preserved		648	0	In 9 cases of 60 rations each, and 1 case of 57 rations; or 675 lbs. fresh or frozen meat in lieu.
Vegetables, dried		107	8	2 cases of 30 lbs. net (54 lbs. gross) each, and 1 canister of 7½ lbs. net (10 lbs. gross).
Load		1,579	5¼	
G.S. wagon equipped (*cf.* page 29)		1,996	7	
Total, loaded G.S. wagon...		3,575	12¼	= 32 cwt., about.

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D.—G.S. Limbered Wagons for Pioneer and Signalling Equipment

(1 *per Squadron.*)

No. 1, 3, or 5 G.S. limbered wagon. (*See* para. 3, page 3.)

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
Rifles, of drivers	2	17	5	In clips.
Fore Portion.				
Fore Part—				
Bag, tool, farrier's (filled) (*a*) ...	1	14	7	(*a*) For farrier serjeant.
Case, pioneer equipment, cavalry, large, near (*b*)	1	45	5	(*b*) Containing following tools—
Chest, veterinary, unit, 25 lbs....	1	25	0	
Fuze, instantaneous ... yds.	100	15	5	
Lashings, tarred, 2-in., 48 ft. ...	2	15	0	
Saddlery, universal; buckets, tool	6	25	0	
Rear Part—				
Bags, sand, common	50	32	13	
Detonators, No. 8, with 2 ft. safety fuze attached (*c*)	48	11	4	(*c*) In 2 boxes, No. 8 detonators.
Fuze, safety, No. 9... ... fms.	24	4	7	
Gun-cotton, dry, primers, field, 1 oz. (*d*) ...	80	25	6	(*d*) In 2 boxes, guncotton.
Gun-cotton, wet, charges, field, 15 oz. (*e*) ...	32	69	10	(*e*) In 32 cases; in 2 boxes, guncotton.
Matches, Vesuvian (*f*)	156	0	14	(*f*) In 12 boxes.
Mallets, heelpeg	4	10	0	(*g*) Containing following tools—
Mauls, G.S., helved	1	2	11	
Packsaddlery, G.S., chests, pack transport	2	47	0	
Rear Part, on off side—				
Flags, signal, army, poles, 5-ft. 6-in.	8	6	0	
Hind Portion.				
Fore Part—				
Axes, felling, curved helve	2	11	0	
Axes, hand	2	4	4	
Axes, pick, heads	4	18	0	
Axes, pick, helves ...	5	16	8	
Case, pioneer equipment, cavalry, large, off (*g*)	1	59	6	

(*g*)

	No.	lbs.	ozs.
Auger, screw	1	2	8
Auger, handle	1	0	11
Hooks, reaping, large...	1	1	2
Hooks, bill	4	8	0
Wire, ordinary, copper, No. 28 S.W.G. lb.	1	1	0
Wire, jointing and binding, A.A. 21 lbs.	5	5	0
		18	5

(*g*)

	No.	lbs.	ozs.
Files, saw, taper, 6-inch ...	1	0	3
Files, 2nd cut, single, 9-inch ...	1	0	8
Hammers, claw, 28-oz. ...	2	4	4
Knives, clasp	2	0	12
Lines, Hambro	1	3	4
Nails, iron, spike, No 185 ... ... lbs.	6	6	0
Nails, wire, iron, 5-in. ,,	2½	2	8
Nails, grooved, 6-in. ,,	2½	2	8
Pliers, side cutting ... pairs	2	1	2
Reels, wire, leather	1	0	2
Rules, G.S., 4-fold	1	0	2
Screwdriver, G.S., 9-inch	1	0	13
Sets, saw, hand	1	0	3
Spanners, 15-inch ...	1	3	8
Spanners, McMahon, 9-inch ...	1	1	7
Tapes, measuring, linen, 100 feet	1	1	2
Twine, whipping ... lbs.	2	2	0
		30	6

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D.—G.S. Limbered Wagons for Pioneer and Signalling Equipment—*continued.*

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
HIND PORTION—*continued.*				
Fore Part—continued.				
Cordage, tarred, spunyarn, hemp, 3-thread ... ... lbs.	10	10	0	(*h*) For detail of contents see page 48.
Crowbar, 3-lt. 6-in.	1	12	0	
Hammers, { **smith's,** sledge	1	10	0	(*i*) Carried in a sack in the wagon to enable the team to be used with shaft draught vehicles on emergency. The following is a detail of the appurtenances of the saddle:—
{ **handle,** No. 1 ...	1	2	0	
Lashings, { 1½-inch, 50 feet ...	4	20	0	
tarred, { 1-inch, 20 feet ...	8	6	10	
Luggage saddle with appurtenances (*i*)	1	24	14	
Mallets, heelpeg	4	10	0	
Pannier, signalling (filled) (*h*)...	1	51	0	
Poles, signalling flag (two 5 ft. 6 in.; four 3 ft. 6 in.) bundle ...	1	1	12½	
Saw, { **folding,** complete ..	1	5	6	
{ **hand,** 26-inch (in case)				
Shovels, G.S.	6	21	0	
Rear Part—				(*j*) The following will be carried on the luggage saddle by the off wheel horse in the event of the team being used with shaft draught in an emergency:—
Packsaddlery, G.S. ... sets§	2	124	0	
Blankets, saddle	2	10	8	
Surcingle, leather (*k*)	1	0	15	
Articles as at (*j*)	...	18	6	
Load	...	8 07	5½	
G.S. limbered wagon equipped (*cf.* page 28)	...	1,280	5	
Total, loaded G.S. limbered wagon, No. 1, 3, or 5 ...	...	2,087	10½	= 18¾ cwt., about.

Bands back 1
Girths, luggage 1
Numnah, felt, luggage... 1
Reins, side 1
Straps, { **baggage** 3
{ **girth** 4
Surcingle, leather 1
Tugs backband 2
Pannels, numnah, luggage ... pair 1

Bags, { corn 2
{ nose, with 6 lbs. corn ... 2
Brushes, horse 2
Rubbers, horse 2
Pad surcingle 1
Pegs, picketing† 1
Rope, { **heelt** 1
{ **picketing** 1

§ Each with bag, line gear.
† Plus one, additional, when heel-rope is carried.
‡ 25% only; for restive horses.
(*k*) For the off lead horse.

NOTE.—Such explosives and tools as may be required by the pioneers when the G.S. limbered wagon cannot accompany them will be transferred partly to the—

(*a*) 2 pack transport chests, } per squadron.
(*b*) 6 tool buckets, }

which will be carried (*a*) by the lead horses of the wagon and (*b*) by the pioneers' horses respectively.

One of these wagons (No. 1, 3, or 5) will carry the headquarter's signalling pannier, and bundle of flag poles and stands. Care will be exercised to ensure that if the squadron carrying the headquarter's signalling equipment be temporarily detached from the regiment the apparatus is transferred to one of the squadrons remaining with headquarters.

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D.—G.S. Limbered Wagons for S.A.A.

(1 *per Squadron.*)

No. 2, 4, or 6. (*See* para. 3, page 3.)

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
Rifles, of drivers	2	17	5	In clips.
FORE PORTION.				
In the body—				
Blankets, saddle (*a*)	2	10	8	(*a*) For the off horses.
Cartridges, small-arm, ball, ·303 inch, boxes (*b*)	7	523	4	(*b*) Each containing 1,000 rounds, in bandoliers.
Cartridges, small-arm, ball, pistol, Webley box (*c*)	1	18	8	(*c*) Containing 276 rounds.
Surcingle, leather (*d*)	1	0	15	One of the three squadron limbered wagons will carry an additional 24 rounds.
HIND PORTION.				(*d*) For the off lead horse.
In the body—				
***Bags,** saddle, ammunition (*e*)	1	19	0	(*e*) Two bags in the case of one squadron only.
Cartridges, small-arm, ball, ·303 inch, boxes (*b*) (*f*)	7	523	4	(*f*) One of the three squadron limbered wagons will carry an additional 1,000 rounds, another squadron limbered wagon will carry an additional 350 rounds.
Luggage saddle, with appurtenances as at (*i*), and articles as at (*j*), page 34	1	43	4	
Load	...	1,156	0	
G.S. limbered wagon, equipped (*cf.* page 28)	...	1,280	5	
Total, loaded G.S. limbered wagon, No. 2, 4, or 6	...	2,436	5	= 22 cwt., about.

The following method of packing ammunition saddlebags will be observed:—

AMMUNITION.—To be packed in bandoliers with chargers and bullets alternately upwards, to ensure each 50 rounds making a square package. (Any other method requires more space than is available.)

BANDOLIERS.—When filled each row of ammunition to be folded backward and forward alternately, and then packed in the pockets, with the strap folded on top.

The number of rounds that can be carried in one saddlebag is 1,600, *i.e.*, two rows of 300 and one row (bottom) of 200 on either side.

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D.—G.S. Limbered Wagons for Machine Gun Section.

(4 per Regiment.)

Nos. 7 or 8 (Machine guns and stores). *See* para. 3, page 3.

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
Rifles, of drivers	2	17	5	In clips.
Fore Portion.				
Bar, carrying Maxim gun on tripod	1	1	10	(*a*) 16 yards of spare cord for mekometers are carried in addition to the usual stores, in this box (in one of the 2 wagons).
Bags, sand, common...	15	8	14	
Belts, ammunition, Maxim, ·303-inch, 250 rounds — in belt boxes (filled) ...	14	271	0	
Belts, ammunition, Maxim, ·303-inch, 250 rounds — spare (empty)	2	4	6	
Box, dubbing, 1 lb. (filled) † ...	1	1	8	† In one of the two M.G. wagons only.
Box, spare parts and implements, Maxim, ·303-inch (filled) (*a*) ...	1	31	0	
Cans (filled), lubricating, No. 9 (*b*) ...	2	1	10	(*b*) For mineral oil 1 / For petroleum oil 1 — Per gun, packed
Cans (filled), half-pint (*c*)	2	0	14	(*c*) For petroleum oil ... ... 1 / For turpentine... 1 — in one case, can, ·303-inch.
Cases can, ·303-inch tripod mountings	1	2	3	
Flannelette ... ...yards	3	0	2	
Guns, Maxim, protectors, muzzle	1	0	3	*Method of carrying.* — Remove dividing board and place diagonally across rear part of rear portion of wagon. Place gun in centre of fore portion, from front to rear. Eleven belt boxes on one side (end on to gun case), with tripod in hood (legs flat on floor), and spare part box as a wedge between it and the gun case on the other side, prevent all lateral motion without detriment to speed in handling the gun. Remainder of boxes (3), at the end of tripod legs. Heavier end of gun and tripod to rear of wagon.
Guns, Maxim, ·303-inch, in leather case, with cleaning rod and spare gun barrel	1	103	4	
Guns, Maxim, plugs, cork, complete ...	1	0	1	
Linen old ... ... lb.	½	0	8	
Mallets, heelpeg	1		8	
Mountings, tripod, ·303-inch Maxim gun, Mark IV, complete, with hoods, protecting	1	59	0	
Muzzle attachment, for ball firing	1	1	7	
Pins, joint, crosshead	1	0	10	
Pins, joint, spare, elevating gear ...	1	0	5	
Plugs, belt, Maxim, ·303-inch ...	1	0	4	
Reflectors, mirror, machine gun, ·303-inch	1	0	1	
Hind Portion.				
Axes, heads, 4½-lbs.	1	4	8	} Rear part.
Axes, pick, helves, 36-inch, ferruled ...	1	3	4	(*d*) For off horses.
Blankets saddle (*d*)...	2	10	8	(*e*) Fore part.
Cartridges, small arm, ball, ·303-inch ... ... boxes (*e*)	4	299	0	(*f*) Only carried by one of the two wagons Nos. 7 and 8. The box is carried loose in the rear portion, and is clamped to the perch for use. 4 spare springs, action lever, and 2 spare springs, pawl, are also in the chest.
Hook, bill	1	2	0	
Luggage saddle, with appurtenances as at (*i*) and articles as at (*j*) page 34	1	43	4	
Machine, belt-filling, in chest (*f*)	1	42	0	
Packsaddlery, machine gun, ·303-inch (*g*) ... ... *sets	1	214	0	Rear part.
Shovel, G.S.	1	3	8	(*g*) Gun packsaddle in fore part, 2 ammunition pack saddles in rear part. *See* footnote.
Surcingle, leather (*h*)	1	0	15	(*h*) For the off lead horse.
Load...	...	1,131	10	
G.S. limbered wagon equipped (*cf.* page 28)	...	1,280	5	
Total loaded G.S. limbered wagon No. 7 or 8	...	2,411	15	= 21½ cwt., about.

* For each machine gun 1 gun packsaddle and 2 ammunition packsaddles are carried. Each ammunition packsaddle has 2 racks, and each rack will accommodate 3 belt boxes, total on one ammunition packsaddle 1,500 rounds.

The M.G. packsaddlery is normally carried in the limbered wagons. When required for use it will be carried by such of the draught horses of the vehicles allotted to the machine gun section as may be found most convenient.

A line gear bag is issued for each horse available for pack transport.

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D.—G.S. Limbered Wagons for Machine Gun Section.

(*4 per Regiment.*)

No. 9 or 10 (Machine gun ammunition).

See para. 3, page 3.

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
Rifles, of drivers	2	17	5	In clips.
Fore Portion.				
Cartridges, small arm, ball, ·303-inch ... ...boxes	7	523	4	
Hind Portion.				
Blankets, saddle (*a*)	2	10	8	(*a*) For the off horses.
Cartridges, small arm, ball, ·303-inch ... ...boxes	7	523	4	
Luggage saddle, with appurtenances as at (*i*), and articles as at (*j*) page 34	1	43	4	
Surcingle, leather (*b*)	1	0	15	(*b*) For the off lead horse.
Load	...	1,118	8	
G.S. limbered wagon, equipped (*cf.* page 28) ...	...	1,280	5	
Total loaded G.S. limbered wagon No. 9 or 10 ...	...	2,398	13	= 21½ cwt., about.

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E.—G.S. Wagons for Baggage, Stores and Supplies.

Headquarters and Machine Gun Section.—1 G.S. Wagon.

*No. 1 G.S. Wagon. (*See* para. 3, page 3.)

Supply Section of Train.

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
In the Locker.				
Axes, felling, curved helve	1	6	0	
Axes, hand	1	2	2	
Boxes, candle, F.S. (filled) ...	1	1	11	
Forage, compressed ... bale	1	82	0	Or 2 bales each 40 lbs. net.
Knives, opening tins	1	0	12	
Lanterns, tent, folding ...	1	7	8	
Luggage saddle, with appurtenances as at (*i*), and articles as at (*j*) page 34	1	43	4	
Reins, driving, long ... set	1	4	4	
Strapped on Splinter Bar.				
Jack, lifting, G.S.	1	35	0	
In the Body.				
Equipment and Stores:—				
Baggage, C.O.	1	50	0	
officers', other officers ...	6	210	0	
Bags, tool, (filled), armourer's small arms...	1	7	2	
Bags, tool, (filled), armourer's bicycle, with tools, material for repair and spare parts	1	15	0	
Bags, tool, (filled), shoemaker's	1	25	0	
Blankets, saddle (*a*)... ...	10	52	8	(*a*) For officers' and off horses.
Boxes (filled), clearing rod, No. 2 ...	1	1	2	
Boxes (filled), articles for repair of harness and saddlery	1	60	0	
Boxes (filled), dubbing (*b*)	6	13	0	(*b*) Each tin containing 2 lbs. of dubbing.
Boxes (filled), stationery, field ...	2	112	0	
Brushes, harness, hard ...	11	4	13	

* In the case of this wagon, which although it carries both baggage and supplies is allotted to the "supply" section of the train; should it become necessary at any time to transport the baggage and supplies separately it is left to the discretion of the commander to arrange for the headquarter's baggage to be carried on the baggage wagons of the squadrons

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E.—G.S. Wagons for Baggage, Stores and Supplies—*continued.*

Articles.	No.	Approximate weight. lbs.	ozs.	Remarks.
IN THE BODY—*continued.*				
Equipment and Stores—continued.				
Cartridges, dummy, drill, ·303-inch	20	1	4	
Chest, tool, No. 4, with padlock (artificer's tools) ...	1	130	0	
Flannelette, ... yds.	43	1	8	
Hooks, reaping, large ...	6	6	0	
Linen, old ... ... lbs.	1	1	0	
Mallets, heel-peg	9	22	8	
Oil, mineral burning pint	1	1	0	
Oil, petroleum, Russian lubricating ... pints	4	3	8	
Pegs, picketing	45	56	4	
Rugs, horse, large (*c*) ...	3	25	8	(*c*) Large rugs for heavy cavalry, small rugs for light cavalry.
Sheets, ground	64	160	8	
Shoes, horse, in boxes (with nails) ... ... pairs	46	138	0	
Surcingle, leather (*d*) ...	1	0	15	(*d*) For the off lead horse.
Whip, driving	1	1	0	
Supplies:—				(*e*) 1 case of 50 lbs. net (gross 72 lbs.), plus 1 canister of 23 lbs. net.
**Biscuits* (*e*) ... rations	75	98	0	
Groceries:—				
Tea ... ... „	75	5	11	2 lb. 15 ozs. net. in a tin canister.
Sugar ... ... „	75	16	0	14 lbs. in a sack.
Salt ... ... „	75	4	6	$2\frac{6}{16}$ lbs. in a sack.
Pepper ... ... „	75	0	6	2 ozs. in a tin.
Jam ... ... „	75	23	0	19 1-lb. tins in a case.
Dried Vegetables „	75	12	0	$9\frac{6}{16}$ lbs. in a tin canister.
Mustard ... ... „	75	0	$6\frac{1}{2}$	$\frac{1}{4}$ lb. in a tin.
Bacon ... ... „	75	28	12	$18\frac{3}{4}$ lbs. in a case.
Cheese ... ... „	75	15	8	$14\frac{1}{16}$ lbs. net.
†**Meat,** preserved (*f*)... „	75	87	0	(*f*) 1 case of 60 rations, plus 15 tins.
Oats (*g*) ... ... sacks	14	1,132	0	(*g*) 13 sacks at 80 lbs. 1 sack at 64 lbs. } plus weight of sacks.
Load	...	2,705	$2\frac{1}{2}$	
G.S. wagon equipped (*cf.* page 29)... ...	...	1,996	7	
Total loaded G.S. wagon, No. 1 ...	...	4,701	$9\frac{1}{2}$	= 42 cwt., about.

* Or 90 lbs. bread packed in sacks.
† Or 90 lbs. fresh meat.

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E.—G.S. Wagons for Baggage, Stores and Supplies.

Squadrons.

No. 2, 4 or 6. (*See* para. 3, page 3). Supply Section of Train.

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
In the Locker.				
Axe, felling, curved helve ...	1	6	0	
***Balance,** spring, 80 lb. (*a*) ...	1	3	11	(*a*) On hook.
Box, candle, F.S. (filled) ...	1	1	11	
Forage, compressed ... bale	1	82	0	Or 2 bales each 40 lbs. net.
Knives, opening tins	1	0	12	
Lantern, tent, folding... ...	1	7	8	(*b*) With appurtenances as at (*i*), and articles (*j*) as at page 34.
Luggage, saddle, &c. (*b*) ...	1	43	4	(*c*) For the off horses.
Reins, driving, long ... set	1	4	4	(*d*) For the off lead horse.
In the Body.				(*e*) Packed in 3 cases each containing 50 lbs., net plus 1 canister of 5 lbs.
Equipment and stores :—				(*f*) Two cases of 60 tins each, and 1 case of 35 rations.
Blankets, saddle (*c*)... ...	2	10	8	
***Implements,** butchers set	1	37	0	
Pegs, picketing	5	6	4	
Surcingle, leather (*d*) ...	1	0	15	
Whip, driving	1	1	0	
Supplies :—				
†**Biscuits** (*e*) ... rations	155	224	0	
Groceries :—				
Tea ... ... ,,	155	8	12	$6\frac{1}{16}$ lbs. net. in a canister.
Sugar ... ,,	155	31	1	$29\frac{1}{16}$ lbs. net. in a sack.
Salt ... ... ,,	155	6	14	$4\frac{14}{16}$ lbs. net. in a sack.
Pepper ... ,,	155	0	8	$4\frac{1}{2}$ ozs. in a tin.
Jam ... ... ,,	155	49	0	39 1-lb. tins in a case.
Dried Vegetables ,,	155	24	10	$19\frac{6}{16}$ lbs. net. in 2 canisters
Mustard ... ,,	155	0	13	8 ozs. net. in 2 $\frac{1}{4}$-lb tins.
Bacon ... ,,	155	48	12	$38\frac{3}{4}$ lbs. net. in a case.
Cheese ... ,,	155	33	8	$29\frac{1}{16}$ lbs. net.
‡**Meat,** preserved (*f*) ,,	155	191	0	
Oats (*g*) ... ... sacks	25	1,994	0	(*g*) 24 sacks at 80 lbs., one sack at 24 lbs., plus weight of sacks.
Load	...	2,817	11	
G.S. wagon equipped (*cf.* page 29)...	...	1,996	7	
Total loaded G.S. wagon No. 2, 4, or 6	...	4,814	2	= 43 cwt., about.

* The **spring balances** and **butcher's implements** will be distributed as follows :—

Cooks' wagon ... ... set 1
Remaining, for 3 squadrons, supply wagons... ... ... sets 2
3

The regimental headquarters has no separate set; and it must also be arranged that in the event of a squadron being detached it is provided with a set of the above equipment.

† Or bread, 155 rations = 193 lbs. 12 ozs. in sacks.

‡ Or fresh meat, 155 rations = 193 lbs. 12 ozs.

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E.—G.S. Wagons for Baggage, Stores and Supplies.

Squadrons.

No. 3, 5 or 7. (*See* para. 3, page 3). Baggage Section of Train.

Articles.	No	Approximate weight. lbs.	ozs.	Remarks.
In the Locker.				
Axe, felling, curved helve ...	1	6	0	
Box, candle, F.S. (filled) ...	1	1	11	
Forage, compressed ... bale	1	82	0	Or 2 bales each 40 lbs. net.
Handcuffs, common ... pair	1	2	0	
Lantern, tent, folding... ...	1	7	8	
Luggage, saddle, &c. (*a*) ...	1	43	4	(*a*) With appurtenances as at (*i*), and articles as at (*j*) page 34.
Reins, driving, long ... set	1	4	4	
In the Body.				
Equipment and stores:—				
Baggage, officers'	6	210	0	
Blankets, saddle (*b*)... ...	8	42	0	(*b*) For officers' and off horses.
Boxes, dubbing or mineral jelly (*c*)	4	10	0	(*c*) Each with 2 lbs. dubbing.
Brushes, harness, hard ...	9	3	15	
Chest, veterinary, officers (filled)	1	84	0	
Flannelette ... ... yards	44	1	8	
Hooks, reaping, large ...	9	9	0	
Linen, old ... ... lbs.	1	1	0	
Mallets, heel-peg	18	45	0	
Oil, petroleum, lubricating pints	8	7	0	
Pannier, tool, saddlers' (filled)	1	69	0	
Pegs, picketing	5	6	4	
Rugs, horse, large (*d*) ...	9	76	8	(*d*) Large rugs for heavy cavalry, small rugs for light cavalry.
Sheets, ground	143	357	8	
Shoes, horse, in boxes, with nails (spare)... ... pairs	45	135	0	
Surcingle, leather (*e*) ...	1	0	15	(*e*) For the off lead horse.
Whip, driving	1	1	0	
Load	...	1,166	5	
G.S. wagon equipped (*cf.* page 29)...	...	1,996	7	
Total loaded G.S. wagon No. 3, 5 or 7	...	3,162	12	= 28¼ cwt., about.

Note.—In addition to the above loads the G.S. wagons Nos. 1 to 7 carry, between them, the following spare wagon components:—

Poles, draught, { No. 7A (G.S. wagons) 2
{ No. 17 (G.S. limbered wagon) 2

Wheels, spare, with blocks, supporting. { 3rd class B, No. 159 (G.S. wagon fore) ... 1
{ 2nd class C, No. 200 (or 3rd class "B" No. 158) (G.S. wagon, hind) 1
{ 2nd class, C, No. 43 (G.S. limbered wagons) 1

Bar, supporting draught pole, No. 3 2

Chains, draught pole, No. 2 1

The method of carrying spare wheels in G.S. wagons is described in List of Changes in War Matériel, February, 1912, § 15802.

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Section 7.—TRANSPORT DATA.

Data on which the Transport of a Cavalry Regiment is calculated.

Table A.—Ammunition.

I. Approximate Amount of Ammunition Available.

Where carried.	No. of rounds per			Remarks.
	Rifle.	Pistol.	Machine Gun.	
On the soldier	100	12	...	For the purpose of arriving *approximately* at the number of rounds to be carried in ammunition columns the number of rifles in a cavalry regiment is estimated at 500.
With each machine gun... ...	...	...	3,500	
In regimental reserve	100	12	16,000	
With horse artillery or mounted brigade ammunition column...	100	12	10,000	
With divisional ammunition column	...	...	...	
Total with field units ...	300	36	29,500	

II. S.A.A. ('303-inch).

(i.) *Allowance:*—

464 rifles at 200	92,800
47 base details at 100	4,700
2 M.G. at 19,500	39,000
Total	136,500

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II. S.A.A. (·303-INCH)—*continued.*

(ii.) *Distribution :—*

445 rifles at 100	44,500	
19 signallers at 50	950	
47 base details at 100	4,700	
		50,150
3 squadron limbered wagons at 14 boxes ...		42,000
Additional :—		
A limbered wagon in one squadron only ...		1,000
" " " " ...		350
2 M.G. limbered wagons, *each* :—		
14 belts at 250 rounds		7,000
4 boxes		8,000
2 G.S. limbered wagons carrying M.G. ammunition, *each* 14 boxes		28,000
Total		136,500

III. PISTOL AMMUNITION.

(i.) *Allowance :—*

24 officers at 24	576
1 medical officer	24
1 officer (base detail)	12
1 veterinary officer	12
1 armourer	12
46 other ranks at 24	1,104
4 base details at 12	48
Total	1,788

(ii.) *Distribution :—*

27 officers at 12	324	
51 other ranks at 12	612	
		936
3 squadron limbered wagons, *each* 1 box (276 rounds)		828
Additional, 1 squadron limbered wagon only ...		24
Total		1,788

Unless orders to the contrary are issued, service S.A.A. will not be distributed to individuals until the place of disembarkation is reached (*cf.* Mobilization Regulations). Local transport will be provided to convey the ammunition in bulk to the place of entraining.

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B.—Tools. General Distribution.

The following list comprises only some of the most important of the tools carried by a cavalry regiment, and it does not include tools forming part of artificers' sets.

How carried.	Axes.			Crowbars.	Hooks.		Mauls, G.S.	Saws.		Shovels, G.S.	Remarks.
	Felling.	Hand.	Pick.		Bill.	Reaping.		Folding.	Hand, 26-inch.		
In (3) squadron G.S. limbered wagons for tools and signalling equipment ...	6	6	12	3	12	3	3	3	3	18	
In the (2) G.S. limbered wagons carrying machine guns	...	...	2	...	2	...	...	...	...	2	
In (7) G.S. wagons	7	1	...	...	...	33	...	...	...	...	
Cart and wagon equipment.											
Cart, Maltese	1	...	1	...	1	...	...	...	...	2	
G.S. wagons (8)	8	...	8	...	8	...	...	...	...	16	
Total per Regiment	22	7	23	3	23	36	3	3	3	38	

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C.—Rations and Fuel.

Detail of rations and fuel carried in the field with units, and in A.S.C. trains and supply columns.

How carried normally.	FIELD RATION.				Remarks.
	Bread and Meat Ration. 1¼ lbs. fresh or frozen, or 1 lb. (nominal) preserved (*a*) or salt meat. 1¼ lbs. bread (*b*) or 1 lb. biscuits (*c*) or flour. 4 ozs. bacon (*d*).	**Grocery Ration.** Tea, sugar, jam, salt, pepper, cheese, and mustard (as detailed in Allowance Regulations).	**Vegetable Ration.** 2 ozs. dried.	**Iron Ration.** 1 lb. (nominal) preserved meat, 12 ozs. biscuit, ⅝ oz. tea, 2 ozs. sugar, ½ oz. salt, 3 ozs. cheese, 2 cubes (1 oz.) meat extract.	(*a*) Packed in wood cases not exceeding 80 lb. weight, containing 60 rations in nominal 1 lb. tins. (*b*) Carried in sacks. (*c*) Packed in wood cases not exceeding 80 lb. weight, containing 50 rations. (*d*) Packed in wood cases containing 60 lbs. bacon, not exceeding 80 lb. net weight.
On the soldier ...	(*e*)	...	...	1 (*h*)	(*e*) The day's bread and cheese ration issued the previous evening, less any portion consumed. This ration may be carried in the cook's vehicle.
In vehicles for cooks	1 (*f*)	1 (*f*)	... 1	... ...	(*f*) The day's ration (except bread and cheese) issued the previous evening, less any portion consumed.
In A.S.C. trains or in supply columns	1	1	1	...	(*g*) Less any portion consumed of the ration carried on the soldier and in the cooks' vehicles.
Total	2 (*g*)	2 (*g*)	2 (*g*)	1 (*h*)	(*h*) A second iron ration may be carried when so ordered by the C.-in-C.

Notes.—1. No **fuel** will be carried normally, except for mechanically propelled vehicles, and the wood of the ration boxes which will be issued for kindling purposes, and be supplemented by fuel obtained locally.

2. **Reserve** parks, each with a carrying capacity for 2 days' Iron rations, will be available for use if required.

3. **Fresh Vegetables** will be issued when available.

4. **Limejuice, rum,** and **tobacco** to be issued as detailed in Allowance Regulations, but not carried normally in A.S.C. trains or supply columns.

5 Rations for the day of entrainment will be carried as directed in **Mobilization Regulations.**

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D.—Forage.

D.—Detail of Forage carried in the field with Units and in Army Service Corps trains and supply columns for each horse.

How carried.	Corn ration, 12 lbs.	Remarks.
On the horse	1 (*a*)	(*a*) The day's ration issued the previous evening, less any portion consumed.
In A.S.C. train or In supply column	1	
Total	2 (*b*)	(*b*) Less any portion consumed of the ration carried on the horse.

Notes.—1. The above scale of forage is applicable to a country where hay is available.

2. One bale of **compressed forage**, 80 lbs. net (or 2 40-lb. bales—82 lbs. gross weight) is carried in the locker of each G.S. wagon This is only to be consumed by order of an officer.

3. Forage for the day of entrainment will be carried as directed in Mobilization Regulations.

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E.—Supplies Required for One Day.

The following table, which is inserted for the purpose of easy reference, shows the detail of supplies which would be required by a regiment for one day :—

Detail.		One squadron.	Regiment.
Establishment,	personnel	155	540
	horses	162	578
Biscuits...	lb.	155	540
Bread (in lieu of biscuits)	,,	194	675
Groceries—Tea	,,	6	21 2/16
Sugar	,,	29	101 1/4
Salt	,,	5	17
Pepper	,,	1/4	1
Jam	,,	39	135
Bacon	,,	39	135
Cheese	,,	29	101 1/4
Mustard	,,	1/2	1 1/16
Meat, preserved or salt	,,	155	540
Meat, fresh	,,	194	675
Oats	,,	1,944	6,936
Vegetables—fresh (*a*)	,,	77 1/2	270
or **dried** (*a*)	,,	19 1/2	67 1/2
or			
Lime juice (*b*) †	pints	4	13 1/2
Rum (*c*) †	gall.	2 1/2	8 1/2
Tobacco (*c*) †	lb.	2 3/4	9 1/2

(*a*) To be issued when available, but not to be carried in regimental transport when troops are marching daily.

(*b*) Lime juice is issued when fresh vegetables are not supplied, or at the discretion of the G.O.C. on recommendation of the medical officer.

(*c*) Issued at the discretion of the G.O.C. on recommendation of the medical officer.

† Not carried normally in supply columns or A.S.C. trains.

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F.—Distribution of Signalling Equipment Carried by a Cavalry Regiment in the Field.

Articles.	Total per regiment.	Headquarters.				Each squadron.		
		Signalling serjeant.	9 signallers.	In a squadron limbered wagon.		3 signallers.	No. 1, 3, or 5 tool wagons.	
				In pannier.	Loose.		In pannier.	Loose.
Binoculars, in cases ... ... pairs	4	1	...	...	...	...	...	...
Cases, message book	7	1	3	...	...	1	...	...
Compasses, prismatic, in cases	4	1	...	...	...	1	...	...
Cotton waste, white ... ... lbs.	2	...	...	½	...	...	½	...
Flags, signal, army, **blue,** 3 ft. square	12	...	3	3	...	1	1	...
2 ,, ,, ...	24	...	6	6	...	2	2	...
white, with stripe, 3 ft. square	12	...	3	3	...	1	1	...
2 ,, ,, ...	24	...	6	6	...	2	2	...
poles, 5 ft. 6 in.	30	...	6	...	12	2	...	2
3 ,, 6 ,, ...	60	...	12	...	24	4	...	4
Heliographs, 5-in. Mark V	8	...	3	2	...	1	...	...
Lamps, signalling "B"	8	...	...	5	...	...	1	...
Stands, **lamp or helio,** "A," Mark III	8	...	3	...	2	1	...	...
signalling telescope	8	...	3	...	2	1	...	...
Telescopes, signalling	8	...	3	2	...	1	...	...
Watches	4	1	...	...	...	1	...	...
Books, Stationery, &c.								
Books, signalling manual	8	1	3	1	...	1	...	...

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Forms, army :—															
C. 2121	...	...	...	...	...	...	pads	13	1	3	3	...	1	1	...
C. 2123	...	...	...	...	...	...	,,	24	...	3	9	...	1	3	...
C. 398 ...	...	...	...	...	...	...	...	300	...	150	...	...	50	...	...
Pencils ...	...	...	...	...	...	...	...			Will be issued as required.					

All lamps are filled for service; a reserve of oil and wick for signalling lamps is carried in supply columns.
The poles carried loose in the wagons will be tied in bundles
For the carriage of flags and tripods by mounted men there are supplied :—

19 **signalling flag buckets.**

8 **tripod stand buckets.**

The headquarters pannier, loose poles, and helio and telescope stands will be carried in one of the squadron tool wagons (No. 1, 3, or 5) as there is no 1st line vehicle with headquarters available for this purpose. Care will be exercised to ensure that if the squadron carrying the headquarters' signalling equipment be temporarily detached from the regiment, the apparatus is transferred to one of the squadrons remaining with headquarters

WEIGHT.

Headquarters :—								
Pannier, packed	...	...	...	...	...	...	...	188½ lbs.
Loose (poles and helio and telescope stands)	...	...	...					31 ,,
Each squadron :—								
Pannier, packed	...	...	...	...	...	...	...	51 ,,
Loose (poles)	...	...	...	...	...	...	...	2½ ,,

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G.—Spare Wheels, Shafts, Poles, and Swingletrees.

Detail.	Pattern No.	Vehicle with which used.	No. of spare per regiment.	Reference to load table.	Method of carrying.
Wheels	2nd class, C, No. 200, or 3rd class, B, No. 158	G.S. wagon (hind)	1	Page 41 ...	*See* List of Changes in War Matériel, February, 1912, § 15802.
	3rd class, B, No. 159...	G.S. wagon (fore) ...	1	,, 41	
	2nd class, C, No. 43 ...	G.S. limbered wagon.	1	,, 41	One block, supporting, is allowed per spare wheel.
Shafts	...	Maltese cart ...	...	Carried by cavalry or mounted brigade train.	Strapped to the raves.
Poles	7A	G.S. wagon	2	Page 41	Point of pole under driver's seat and close to footboard; butt of pole resting on bottom of wagon close to side, and back against tailboard. When a spare wheel is carried the pole is passed between the spokes.
	17	G.S. limbered wagon	2	,, 41	
Swingletrees ...	3A, 10A, or 11	All vehicles of the unit.	8	The wagon equipment of each G.S. wagon includes a spare swingletree (page 29), and this provision covers the requirements of the Maltese and water carts and G.S. limbered wagons.	Strapped to shafts of Mark III G.S. wagons; under front of Mark IV to Mark VIII** G.S. wagons; carried in lockers of Mark IX to Mark X*.

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(*See also* **Siege Operations.**)

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FIELD SERVICE MANUAL.

1910.

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CAVALRY REGIMENT.

(EXPEDITIONARY FORCE).

NOTE.—Field Service Manuals are not the authority for the supply of war outfit of units. The details laid down in latest Mobilization Store Tables, Equipment Regulations, Clothing Regulations, &c., will be followed.

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(*a*) *See also* Section 3.

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Section 1.—GENERAL NOTES.

Basis of establishment and outfit.

1. The tables contained in this Manual are drawn up on the basis of a campaign in a civilized country, and in a temperate climate. When mobilization takes place under different conditions, certain modifications will become necessary, and will be notified from the War Office.

War Establishment.

2. The normal war establishment of a cavalry regiment, showing its composition as regards personnel and animals is given in Section 2, and no men or horses in excess of the "total regiment in the field" will be allowed to accompany the unit in the field.

Reserve Squadron.

The reserve squadron does not take the field, but remains at home to train the personnel required to replace wastage in the service squadrons.

H.Q. & M.G. Section.

All details including officers of the regimental headquarters and machine gun section sleep and mess, normally, independently of the squadrons.

Transport.

3. The transport of a regiment is shown after its war establishment. The transport is divided in the field as follows:—

1st Line.

1st line (which always accompanies the regiment on the march) limbered wagons; Maltese cart; and pack and spare animals.

The G.S. limbered wagons, are numbered and allotted consecutively as follows:—

A Squadron ...	No. 1 ...	Pioneer and Signalling Equipment.
	„ 2 ...	S.A.A.
B Squadron ...	No. 3 ...	Pioneer and Signalling Equipment.
	„ 4 ...	S.A.A.
C Squadron ...	No. 5 ...	Pioneer and Signalling Equipment.
	No. 6 ...	S.A.A.
Machine Gun Section ...	No. 7 & 8.	Machine guns and stores.
	„ 9 & 10	M.G. Ammunition.

2nd Line.

2nd line (which marches as directed in orders): water cart and G.S. wagons.

The G.S. wagons for baggage, stores and supplies are allotted and numbered consecutively as follows:—

Headquarters and machine gun section ...	No. 1.
"A" squadron	Nos. 2 and 3.
"B" squadron	Nos. 4 and 5.
"C" squadron	Nos. 6 and 7.

A.S.C. Drivers.

The personnel for 2nd line transport is provided by the Army Service Corps; these men join the regiment on mobilization fully armed and equipped. Spare drivers

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for 2nd line transport are included in the war establishment of the Army Service Corps company from which the 2nd line transport drivers are detached.

Spare horses. 4. Spare draught horses are allowed at the rate of 10 per cent A driver is allowed for each pair of spare horses.

Sanitation. 5. One N.C.O. and eight privates per regiment, are trained in sanitary duties. On arrival in camp they are available for sanitary duties and are placed under the orders of the medical officer for camp sanitation purposes, working in conjunction with the R.A.M.C. personnel attached. At all other times they take their places in the ranks.

First Aid Four men in each squadron are trained in first aid.

Pioneers. 6. One N.C.O. and four men per squadron are trained in pioneer duties. Squadron pioneer equipment is detailed in the load tables.

Bâtmen. 7. Bâtmen in the field are allowed at the rate of one for each officer with one horse, and two for each officer with two or three horses. All bâtmen are fully armed and trained soldiers, and are available for duty in the ranks.

Reinforcement. 8. Drafts to replace wastage are calculated for cavalry at the rate of 70 per cent. during the first year of a war. The first portion of these drafts, with their horses, mobilize with the regiment unless otherwise ordered, and proceeds with it as far as the oversea base: this portion is known as "first reinforcement," and is calculated at 10 per cent. of rank and file.

Details at base. Other details shown in the table as "left at the base" also mobilize with the regiment; the orderly-room serjeant is attached to the base record office; the remainder are attached with the first reinforcement to one of the general base depôts.

War outfit. 9. War outfit is the material of all kinds which a unit requires for war. The method of carrying it is laid down in Sections 3-6.

Equipment. (*a*) The equipment required on mobilization is laid down in the mobilization store table for a cavalry regiment (expeditionary force).

Clothing. (*b*) The clothing and necessaries required on mobilization are detailed in the Regulations for the Clothing of the Army, Part III.

Supplies, Medical & Veterinary Stores. (*c*) Details of the scale of supplies will be found in War Establishments and Allowance Regulations; medical and veterinary stores in Regulations for Army Medical and Veterinary Services respectively.

Stationery (*d*) The stationery considered necessary for a cavalry regiment in the field is shown in "Tables of Books, Army Forms and Stationery required on Mobilization by units of the Field Army," issued with Army Orders. A list of contents is pasted inside the lid of the stationery box.

Blankets 10. Blankets for personnel are not included in the normal scale of war outfit; but, *when specially* ordered, one blanket per man will be carried. The methods of carrying blankets is for:—

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Officers	In valise.
Mounted warrant officers, non-commissioned officers and men	Under saddle, in addition to saddle blanket.
Dismounted non-commissioned officers and men	In G.S. wagons.

Replenishment of Stores.

11. General requisites, such as spare parts and materials for repairs, are calculated on the assumption that it will be possible to replenish them at intervals of about a fortnight.

Mobilization.

12. The arrangements for bringing a regiment up to war establishment in men and horses, and for the completion of its war outfit, are laid down in Mobilization Regulations.

13. Orders for movement, when mobilization is complete, will be issued from the War Office to General Officers Commanding-in-Chief.

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Section 2.—WAR ESTABLISHMENT AND TRANSPORT.

A CAVALRY REGIMENT.

NOTE.—For a SQUADRON of IRISH HORSE with Army troops the following additions will be made to the War Establishment of a squadron given below:—

Attached ... ... 1 private R.A.M.C.
Details left at base... ... ... 14 rank and file.
16 horses.

2 men per squadron are trained in sanitary duties.

WAR ESTABLISHMENT.

Detail.	Personnel.							Horses.			
	Officers.	Warrant officers.	Staff-serjeants and serjeants.	Artificers.	Trumpeters.	Rank and file.	Total.	Riding.	Draught.	Pack.	Total.
Headquarters.											
Lieutenant-colonel	1	—	—	—	—	—	1	3	—	—	3
Major	1	—	—	—	—	—	1	3	—	—	3
Adjutant	1	—	—	—	—	—	1	3	—	—	3
Quartermaster	1	—	—	—	—	—	1	1	—	—	1
Regimental serjeant-major	—	1	—	—	—	—	1	1	—	—	1
Quartermaster-serjeant	—	—	1	—	—	—	1	1	—	—	1
Transport-serjeant	—	—	1	—	—	—	1	1	—	—	1
Total	4	1	2	—	—	—	7	13	—	—	13

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A Cavalry Regiment—*continued.*

WAR ESTABLISHMENT—*continued.*

Detail.	Personnel.							Horses.			
	Officers.	Warrant officers.	Staff-serjeants and serjeants.	Artificers.	Trumpeters.	Rank and file.	Total.	Riding.	Draught.	Pack.	Total.
Headquarters—continued.											
Orderly-room clerk (*a*)	—	—	1	—	—	—	1	1	—	—	1
Serjeant trumpeter	—	—	1	—	—	—	1	1	—	—	1
Serjeant cook	—	—	1	—	—	—	1	—	—	—	—
Signalling-serjeant	—	—	1	—	—	—	1	1	—	—	1
Farrier-quartermaster-serjeant	—	—	—	1	—	—	1	1	—	—	1
Saddler-serjeant	—	—	—	1	—	—	1	1	—	—	1
Saddletree-maker	—	—	—	1	—	—	1	1	—	—	1
Orderlies for medical officer (*b*)	—	—	—	—	—	2	2	—	2	—	2
Bâtmen (*c*)	—	—	—	—	—	11	11	—	—	—	—
Total	4	1	6	3	—	13	27	19	2	—	21
Attached:—											
Medical officer	1	—	—	—	—	—	1	2	—	—	2
Veterinary officer	1	—	—	—	—	—	1	2	—	1	3
Armourer	—	—	—	1	—	—	1	—	—	—	—
Drivers, A.S.C. (2nd line transport)	—	—	—	—	—	3	3	—	6	—	6
R.A.M.C.	—	—	—	—	—	3(*d*)	3	—	—	—	—
Total headquarters (including attached)	6	1	6	4	—	19	36	23	8	1	32

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Machine-gun section.											
Subaltern	1	—	—	—	—	—	1	3	—	—	3
Serjeant	—	—	1	—	—	—	1	1	—	—	1
Corporal	—	—	—	—	—	1	1	1	—	—	1
Privates	—	—	—	—	—	12	12	12	—	—	12
Drivers (1st line transport)	—	—	—	—	—	8	8	—	16	—	16
Bâtmen (*c*)	—	—	—	—	—	2	2	—	—	—	—
Total machine-gun section	1	—	1	—	—	23	25	17	16	—	33
Squadron (*e*).											
Major	1	—	—	—	—	—	1	3	—	—	3
Captain	1	—	—	—	—	—	1	3	—	—	3
Subalterns	4	—	—	—	—	—	4	12	—	—	12
Squadron-serjeant-major	—	—	1	—	—	—	1	1	—	—	1
Squadron-quartermaster-serjeant	—	—	1	—	—	—	1	1	—	—	1
Serjeants	—	—	8	—	—	—	8	8	—	—	8
Farrier-serjeant	—	—	—	1	—	—	1	1	—	—	1
Shoeing-smith-corporal	—	—	—	1	—	—	1	1	—	—	1
Shoeing-smiths	—	—	—	5	—	—	5	5	—	—	5
Saddler	—	—	—	1	—	—	1	1	—	—	1
Trumpeters	—	—	—	—	2	—	2	2	—	—	2
Corporals	—	—	—	—	—	8	8	8	—	—	8
Privates	—	—	—	—	—	100	100	100	—	2(*g*)	102
Signallers { Corporal	—	—	—	—	—	1	1	1	—	—	1
Signallers { Privates (*h*)	—	—	—	—	—	8	8	8	—	—	8
Drivers (1st line transport) { for vehicles	—	—	—	—	—	4	4	—	8	—	8
Drivers (1st line transport) { for spare draught horses	—	—	—	—	—	1	1	—	2	—	2
Bâtmen (*c*)	—	—	—	—	—	12	12	—	—	—	—
Total squadron (*f*)	6	—	10	8	2	134	160	155	10	2	167
Attached :—											
Drivers, A.S.C. (2nd line transport)	—	—	—	—	—	4	4	—	8	—	8
Total squadron (including attached)	6	—	10	8	2	138	164	155	18	2	175

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A Cavalry Regiment—*continued*

WAR ESTABLISHMENT—*continued*.

Detail.	Personnel.							Horses.			
	Officers.	Warrant officers.	Staff-serjeants and serjeants.	Artificers.	Trumpeters.	Rank and file.	Total.	Riding.	Draught.	Pack.	Total
Headquarters—continued.											
Recapitulation:—											
Headquarters (including attached)	6	1	6	4	—	19	36	23	8	1	32
Machine-gun section	1	—	1	—	—	23	25	17	16	—	33
3 squadrons (including attached)	18	—	30	24	6	414	492	465	54	6	525
Total regiment in the field (*j*)	25	1	37	28	6	456	553	505	78	7	590

NOTE:—The above establishment includes 3 lance-serjeants (1 per squadron) and 25 lance-corporals (orderly for medical officer with headquarters and 8 per squadron, the latter including signallers.)

DETAILS LEFT AT THE BASE.
Not included in the above Totals.

Orderly-room-serjeant	—	—	1	—	—	—	52	—	—	—	—
Serjeant master-tailor	—	—	1	—	—	—		—	—	—	—
Storemen	—	—	—	—	—	3(*l*)		—	—	—	—
First re-inforcement	1(*k*)	—	2	—	—	44		48	—	—	48

(*a*) The orderly-room clerk may be of the rank of corporal, in which case he will be deducted from the serjeants and added to the rank and file.

(*b*) Two men of the regiment (one a lance-corporal), trained for the duties, are placed under the orders of the medical officer. The private drives the cart for medical stores.

(*c*) All bâtmen are fully armed and trained soldiers, and are available for duty in the ranks.

(*d*) Includes a corporal. (*e*) For war establishment of squadron of Irish Horse with army troops, *see* note at head of page 7.

(*f*) On taking the field the band is broken up and the men distributed among the squadrons. The bandmaster and serjeant of the band will remain at the depot. Four men in each squadron are trained in "first aid," and 1 N.C.O. and 4 privates in pioneer duties. (*g*) For scouts. (*h*) Not more than two per squadron may be lance-corporals.

(*j*) 1 N.C.O. and 8 men are trained in sanitary duties. (*k*) A subaltern. (*l*) One storeman will mobilize with each squadron.

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A Cavalry Regiment—*continued.*

TRANSPORT.

Detail.	Vehicles.	Drivers.	Horses. Draught.	Horses. Pack.	
1st line.					
Headquarters, bicycles, for intercommunication	2 (*m*)	—	—	—	(*m*) For such use as C.O. may consider advisable.
Headquarters, cart, Maltese, for medical equipment	1	1 (*n*)	2	—	(*n*) Medical officer's orderly.
Headquarters, pack animal for veterinary equipment	—	1 (*o*)	—	1	(*o*) One of the veterinary officer's bâtmen.
Machine gun section, wagons, limbered, G.S., for 2 machine guns; tripods; ammunition; and 2 sets of machine-gun packsaddlery (6 packsaddles)	4	8	16 (*p*)	—	(*p*) Machine gun packsaddlery is provided for the use of lead horses when necessary. Until actually required it is carried in the wagons (*See* page 37.)
Squadrons, wagons, limbered, G.S. for S.A.A. (1 per squadron)	3	6	12	—	
Squadrons, wagons, limbered, G.S. for tools and signalling equipment (1 per squadron)	3	6	12 (*q*)	—	(*q*) G.S. packsaddlery is provided for use of the two lead horses of each of these wagons when necessary. Until actually required it is carried in the wagons.
Squadrons, drivers, (1 per squadron) for spare draught horses	—	3	6	—	
Squadrons, pack horses, for scouts (2 per squadron)	—	—	—	6	
Squadrons, bicycles, for intercommunication (2 per squadron)	6	—	—	—	
2nd line.					
Headquarters, cart, water	1	1 (*r*)	2	—	(*r*) Provided by the Army Service Corps for 2nd line transport vehicles.
Headquarters, wagon, G.S., for baggage, stores and supplies	1	2 (*r*)	4	—	
Squadrons—Wagons, G.S., for baggage stores and supplies (2 per squadron)	6	12 (*r*)	24	—	
Total	27	40	78 (*s*)	7	(*s*) Of these:— 6 horses may be required to carry M.G. packsaddlery (*see* note (*p*).) 6 horses may be required to carry G.S. packsaddlery (*see* note (*q*).)

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Section 3.—FIELD KITS.

A.—OFFICERS.

Detail of Articles taken into the Field by Each Officer.

Notes.—1. The following list is drawn up as a general guide, and the articles in it may be varied, but the total weight (exclusive of camp kettles) of 50 lb. for a commanding officer, or 35 lb. for other officers, to be carried in regimental transport, must not be exceeded.

2. Wherever names of articles appear in italics the weight of the articles so printed is accounted for in a total given elsewhere in the table.

Articles.	No. and how carried.			Approximate weight of each.	Remarks.
	On the person.	On the horse.	In regimental transport.		
Clothing and Personal Effects.					
				Lb. oz.	
Belts, flannel	1	—	1 (*a*)	0 6½	(*a*) Packed in valise.
Boots, lace ... ... pairs	1	—	1 (*a*)	2 11	
Braces ... ... pair	1	—	—	0 4	
Brushes (in holdall, *hair*	—	1	—	—	
shaving	—	1	—	—	
tooth	—	1	—	—	
Caps { forage	—	—	1 (*a*)	0 9	
{ *sleeping (in pocket of cloak)* ...	—	1	—	—	
Cloak (with sleeping cap in pocket)	—	1	—	7 5	
Comb (in holdall)	—	1	—	—	
Compass, pocket...	1	—	—	0 4	
Disc, identity	1	—	—	0 0½	

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Dressing, field	1	—	—	0	1½
Fork, table (*in holdall*)	—	1	—		—
Grease or vaseline ... ... tin	—	1	—	0	2
Handkerchief	1	—	—	0	2
Helmet and pagri	1	—	—	0	13½
Holdall, containing comb, knife, fork, spoon, razor, hairbrush, shaving brush, and toothbrush ...	—	1	—	1	3
Housewife	—	—	1 (*a*)	0	4
Knives { clasp with ring and swivel	1	—	—	0	6
Knives { *table* (*in holdall*)	—	1	—		—
Leggings or puttees ... ... pairs	1	—	1	0	13
Map	—	1	—	0	2
Matches ... ... box	—	1	—	0	1
Portfolio, writing materials	—	—	1 (*a*)	1	0
Razor (*in holdall*)	—	1	—		—
Shoes, canvas ... ... pair	—	—	1 (*a*)	1	5
Soap ... ... piece	—	1	—	0	3
Socks ... ... pairs	1	1	1 (*a*)	0	4
Spoon (*in holdall*)	—	1	—		—
Spurs ... ... pair	1	—	—	0	12
Suits, service dress (with riding breeches) ...	1	—	1 (*a*)	4	13
Towels	—	1	2 (*a*)	0	13
Underclothing ... ... suit	1	1	1 (*a*)	3	0
Watch in wrist strap	1	—	—	0	4
EQUIPMENT.					
A.B. 153	1	—	—	0	10
Ammunition, Webley pistol ... ... *rounds*	12	—	(*b*)		—
Bags { corn	—	1	—	0	6
Bags { nose, G.S. (with 6lbs. corn)	—	1	—	7	0
Belt, Sam Browne, including ammunition, ammunition pouch; revolver and case, but without frog...	1	—	—	4	8½

(*b*) For number of rounds carried *see* Section 7A.

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Section 3.—Field Kits—*continued.*

A.—OFFICERS—*continued.*

DETAIL OF ARTICLES TAKEN INTO THE FIELD BY EACH OFFICER—*continued.*

Articles.	No. and how carried.			Approximate weight of each.	Remarks.
	On the person.	On the horse.	In regimental transport.		
EQUIPMENT—*continued.*					
				Lb. oz.	
Blanket (when carried)	—	—	1 (*a*)	4 8	
Brush, horse	—	1	—	0 10	
Bucket, canvas	—	—	1 (*a*)	1 5	
Cutters, wire ... ... pair	—	1	—	1 4	
Cup enamelled, drinking	—	—	1 (*c*)	—	(*c*) One camp kettle is allowed for every three officers, who pack into it their cups, plates, and pepper and salt pots.
Field glass or telescope, or field glass and telescope in one case	—	1	—	2 0	
Haversack, with unused portion of bread or biscuit ration (say 12oz.)	1	—	—	2 0½	
Kettle, camp	—	—	(*c*)	—	
Lantern, collapsible with talc sides ...	—	—	1	0 12	
Pad, surcingle	—	1	—	0 10	

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Peg, picketing	—	1 (*d*)	—	1	3	(*d*) An additional peg is allowed when heelrope is carried.
Plates, enamelled...	—	—	2 (*c*)	—		
Pots for pepper and salt	—	—	2 (*c*)	—		
Rations { *unused portion of bread or biscuit ration (say 12oz.) in haversack*	1	—	—	—		
Rations { *emergency ration*	—	1	—	—		
Revolver	1 (*e*)	—	—	—		(*e*) No special pattern, but must carry Government ammunition.
Ropes { head	—	1	—	0	13	
Ropes { heel (*f*)...	—	1	—	0	11	(*f*) 25% only, for use with restive horses.
Ropes { picketing	—	1	—	0	15	
Rubber, horse	—	1	—	0	10	
Saddlery, complete with bridle and head-rope, set	—	1	—	38	0 (*g*)	(*g*) Includes weight of saddle blanket. Saddle blankets for officer's horses are carried in transport vehicles on the march.
Shoecases, each with shoe and nails	—	2	—	1	10	
Sword, scabbard and sword knot	—	1	—	3	0	
Tin, mess (sealed pattern)	—	1	—	1	9	
Valise, Wolseley (or other pattern)	—	—	1	11	3 (*h*)	
Wallets, packed	—	2	—	1	10 (*h*)	
Waterbottle, filled, with carrier and strap ...	1	—	—	3	12	(*h*) Weight when empty.
Whistle and lanyard	1	—	—	0	2½	

NOTES.—(i) In addition to the foregoing list officers may, at their own discretion, provide saddlebags. If an officer is allowed more than one horse, saddlebags may be carried on the spare horse.

(ii) The four telescopes for reconnaissance, when not specially required, are in the personal charge of the adjutant and three squadron commanders (one each).

(iii) For further information regarding officers' kits *see* pages 21 and 22.

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B.—WARRANT OFFICERS, NON-COMMISSIONED OFFICERS AND MEN.

Details of articles taken into the field by each man.

NOTE.—Wherever names of articles appear in italics the weight of the articles so printed is also included in a total given elsewhere in the table.

Articles.	No. and how carried.		Approximate weight of each.	Remarks.
	On the person.	On the horse.		
CLOTHING AND NECESSARIES, ETC.			lbs. ozs.	
Belt, woollen	1	—	0 4½	
Boots, ankle pair	1	—	3 14	
Braces pair	1	—	0 4½	
Brushes, { *shaving* (*a*)	1	—	0 1	
Brushes, { *tooth* (*a*)	1	—	0 1	(*a*) In haversack.
Cap, comforter (*b*)	—	1	0 3½	(*b*) In pocket of great coat.
Cardigan (or jersey)	1	—	1 6	
Comb (*a*)	1	—	0 1	
Disc, identity, with cord	1	—	0 0½	
Drawers, cotton pair	1	—	0 15½	
Dressing, field (*c*)	1	—	0 2	(*c*) Inside skirt of jacket.
Fork (*a*)	1	—	0 3¼	

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Great coat (*d*)	—	1	7	8
Helmet, Wolseley	1	—	0	14½
Holdall (*a*)	1	—	0	4
Housewife, fitted (*a*)	1	—	0	3⅓
Jacket, service dress (*e*)	1	—	2	6
Knife, clasp (with marline spike, tin opener and lanyard)	1	—	0	7⅓
Knife, table (*a*)	1	—	0	3⅓
Laces, spare (*a*) pair	1	—	0	0¼
Pantaloons pair	1	—	2	6
Paybook, A.B. 64 (*a*)	1	—	0	2
Puttees pair	1	—	0	13
Razor and case (*a*)	1	—	0	3
Shirt, flannel	1	—	1	1½
Soap (*a*) piece	1	—	0	3
Socks, worsted pairs	1	1 (*b*)	0	4½
Spoon (*a*)	1	—	0	2⅓
Spurs, jack pair	1	—	0	15½
Towel, hand (*a*)	1	—	0	9

(*d*) Strapped on front of saddle. Comforter cap and a pair of socks are contained in the pocket.

(*e*) Troops wearing khaki drill sent on active service from a warm to a temperate climate will be supplied with service dress jackets as soon as available.

EQUIPMENT.

Ammunition, ·303-inch, 10-round packets	(*f*)	—	0	10½
Bags, corn	—	1	0	6
Bags, nose (with 6lbs. of corn)	—	1	7	0
Bandolier equipment, pattern, 1903 — bandoliers, 90 rounds (*g*)	1	—	1	8
Bandolier equipment, pattern, 1903 — belts, waist (*h*)	1	—	0	7
Bottle, water, enamelled (filled), with carrier and shoulder strap	1	—	3	13
Brush, horse	—	1	0	10
Harness, near, with saddle-blankets and head rope (*j*) set	—	1	73	0

(*f*) For number of rounds carried, *see* Section 7 A.

(*g*) Weight when empty.

(*h*) N.C.Os. and men armed with pistols or who carry mekometers.

(*j*) Drivers only.

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B.—Warrant Officers, Non-Commissioned Officers and Men—*continued*.

Details of articles taken into the field by each man—*continued*.

Articles.	No. and how carried.		Approximate weight of each.	Remarks.
	On the person.	On the horse.		
Equipment—*continued*.			lbs. ozs.	
Haversack, G.S. or N.P., with—				
(i) Unused portion of bread or biscuit ration	1	—	4 8	
(ii) Emergency ration				
(iii) Knife, fork and spoon				
(iv) Toothbrush, shaving brush, comb, razor and case (In hold-all)				
(v) Spare boot laces (In hold-all)				
(vi) Housewife, fitted (In hold-all)				
(vii) Towel and soap				
(viii) Pay book (A. B. 64)				
Lanyard, pistol (*k*)	1	—	0 2	(*k*) 1 per pistol.
Leggings (*l*)	1	—	2 0	(*l*) Drivers only.
Messtin, and strap, with unused portion of meat ration (say 12 ozs.)	—	1	2 2	

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Pad, surcingle	—	1	0 10	
Peg, picketing (*m*)	—	1	1 4	(*m*) An additional peg is allowed for heelrope, when carried.
Pistol, Webley, with cleaning rod and case (*n*)	1	—	2 12	(*n*) Warrant officers, staff serjeants and serjeants only.
Pouches, ammunition, brown, pistol, Mark II (*k*)	1	—	0 9	
Rations, *unused portion of bread or biscuit ration* (*a*) say	1	—	0 12	
Rations, *unused portion of meat ration* (*o*) say	—	1	0 12	(*o*) In messtin.
Rations, *emergency ration* (*a*)	1	—	0 $9\frac{1}{2}$	
Rifle, short, with oil bottle, pullthrough, sling and rifle bucket (*p*)	—	1	10 $11\frac{1}{2}$	(*p*) 1 per rank and file except paid lance-serjeants and orderly-room clerk. Rifles of drivers of carts and wagons will be carried in transport vehicles on the march.
Ropes, heel (*q*)	—	1	0 11	
Ropes, picketing	—	1	1 1	
Rubber, horse	—	1	0 10	
Saddlery with saddle blanket and head rope (*r*) set	—	1	29 4	(*q*) 25% only; for use with restive horses.
Shoes, horse (one fore and one hind) in shoe case (*s*)	—	2	0 12	
Sword, scabbard, and sword knot (*s*)	—	1	4 8	(*r*) Except drivers, 1902 pattern. The 1890 pattern without breastplate, weighs about 37 lbs. For detail of sets *see* Equipment Regulations.
Whip (*l*)	1	—	0 $14\frac{1}{2}$	
Whistle, with lanyard (*n*)	1	—	0 3	(*s*) All ranks except drivers.

NOTES.—(i) The lance will form part of the field equipment of lancer regiments when specially ordered. Lance flags will not be carried.

(ii) A ground sheet (weight 2lbs. 8 oz.) is carried in regimental transport for each warrant officer, non-commissioned officer and man.

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ADDITIONAL ARTICLES CARRIED ON THE MAN OR HORSE.

Articles.	No. per Rgt.	Weight of each. lb.	Weight of each. oz.	By whom carried.	Remarks.
Musical instruments.					
Bugles, with strings	5	1	6	Serjeant trumpeter and trumpeters.	
Trumpets, with strings	7	1	6		
Signalling equipment.					
Binoculars, in cases - pairs	4	1	14	Signallers.	
Cases, message book, with forms and manuals	7	2	14		
Compasses, prismatic, in cases	4	—	2		
Flags, signal, army, blue, 2ft. square	24	—	2		
Flags, signal, army, white, with stripe, 2ft. square	24	—	2		
Flags, signal, army, poles, 3ft. 6in.	48	—	5		
Heliographs, 5in., complete	8(*a*)	8	4		(*a*) 2 in Headquarters pannier, remainder carried by squadron signallers.
Stands, lamp or helio	8(*a*)	4	13		
Telescopes, signalling, with stands	8(*a*)	3	2		
Watches	4	—	5		
Reconnaissance.					
Binoculars, in cases, prismatic - pairs	51				
Binoculars, in cases, - - pairs	120	1	14	Corporals and upwards: and by certain proportion of lower ranks.	
Compasses, magnetic, pocket, Mk. V	30	—	1¾	As convenient: *see* note page 15.	
Telescopes, signalling, with stands	4	3	2		
Veterinary.					
Wallets, veterinary	4	7	4	Farrier Q.M.S. & farrier serjeants.	
Miscellaneous.					
Bags, tool, farriers' (filled)	21(*b*)	14	7	Shoeing-smith corpls. and shoeing-smiths. Three of these toolbags (for farrier serjeants) will be carried in transport vehicles on the march (*See* page 32).	(*b*) In addition to the usual sets 6 pairs of pincers, horn, cutting, are distributed amongst the farriers and shoeing-smiths.
Cutters, wire, with frogs - pairs	54	1	4	18 prs. per squadron: as convenient.	(*c*) Includes a set for M.G. section. 10 yards of spare cord are carried in M.G. spare part box.
Mekometers, complete - sets	3(*c*)	6	7	Range-finders.	
Reflectors, mirror, S.A., ·303 inch	9	—	1	3 per squadron; by senior N.C.Os.	
Stretchers, ambulance	3	34	0	1 per squadron: in Maltese carts on the march and in action by regimental stretcher bearers. (*d*)	(*d*) Stretcher bearers wear an armlet on the right arm when actually employed as such.

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C.—ARTICLES LEFT AT THE BASE.

(a) Officers.

1. Officers may leave at the base a bullock trunk packed with 100lbs. of personal baggage. This reserve baggage will be forwarded only when it may be deemed convenient to the service by the General Officer Commanding-in-Chief.

(b) Warrant officers, non-commissioned officers and men.

Kit bags, containing the spare kit detailed below, will be taken as far as the oversea base by each man, and will be left in charge of squadron storemen at the General Base Depôt to be forwarded only as may be deemed convenient to the service by the General Officer Commanding-in-Chief.

Articles.		No.	Remarks.
Clothing.			
Boots, ankle ... ... pair		1	Serving soldiers of the Household Cavalry will leave at the base their blue serge frocks or serge trousers and forage caps, instead of service dress jackets, trousers and caps.
Cap, service dress		1	
Drawers, cotton ... ... pair		1	
Jacket, service dress		1	
Trousers, service dress ... pair		1	
Necessaries.			
Badge, cap		1	
Brush, hair		1	
Shirt, flannel		1	
Socks, worsted ... ... pair		1	
Towel, hand		1	
Special articles.			
Bag, clothes		1	
Belt, woollen		1	

The boots will be tied together, with the soles outwards, the regimental number of the man and the name of the regiment being chalked or otherwise legibly marked on the soles. The boots will be placed in the mouth of the kit bag to admit of their being readily withdrawn, should it be necessary to order them to be forwarded to the troops in the field.

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D.—NOTES ON THE METHOD OF

Articles forming part of sets of harness and saddlery

Articles.	Riding horses.			Pack horses.
	Officers' horses.		Troop horses.	
	Horse ridden.	Spare. (1)	(2)	
Bag, corn, 8 lbs.	Top of cloak ...	As convenient	Top of cloak ...	On pack ...
Bag, nose, G.S (filled with 6 lbs. corn)	Off side, hind arch of saddle	Round neck ...	Near side, hind arch of saddle	Near side ...
Bag, tool, farriers' (filled) ...	...	...	Off side, hind arch †	...
Blanket, saddle	In wagon ...	On back, with surcingle	Under saddle...	Under saddle...
Brush, horse	In nosebag ...	In nosebag ...	In nosebag ...	In nosebag ...
Cloak (with comforter, cap, and pair of socks in pocket)	Behind saddle	...	Front of saddle	...
Cutters, wire (in frog) ...	Off side, on shoecase	...	Near side, front of shoecase	...
Pegs, picketing, for use with picketing rope	Strapped on sword scabbard	As convenient	Strapped on sword scabbard	On pack ...
Pegs, picketing, for use with heel rope (when carried)	As convenient	As convenient	As convenient	On pack ...
Ropes, head	Round neck ...	Round neck ...	Round neck ...	Round neck ...
Ropes, heel (when carried)	Off side, hind arch of saddle	As convenient	Off side, hind arch of saddle	On pack, off side
Ropes, picketing	Round neck ...	Round neck ...	Round neck	Round neck ...
Rubber, horse	In nosebag ...	In nosebag ...	In nosebag ...	In nosebag ...
Tin, mess	Rear of near hind arch	...	Rear of near hind arch	...
Wallets, veterinary	...	...	Off side on hind arch	...

NOTES.—1. Officers may, at their own discretion, provide saddlebags. If an officer is
2. Commanding officers may authorize picketing gear, or any part of it, to be
3. When luggage saddle is carried on the off horse, the nosebags of both horses, secured to rear arches on either side of saddle.
4. The method of carrying signalling equipment is under consideration, and

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CARRYING CERTAIN ARTICLES.

(except saddle-blankets) are not included in this Table.

Draught horses, 1st line (with regimental drivers).		Draught horses, 2nd line (with A.S.C. drivers).		Spare horses.	Remarks.
Near horse.	Off horse (when wearing luggage saddle).	Near horse. (3)	Off horse (when wearing luggage saddle).		
Top of cloak ...	*On saddle ...			As convenient	
Near side, hind arch of saddle	*Off side, hind arch	*On off horse	Secured to rear arches on either side of luggage saddle	Round neck ...	* In wagon when luggage saddle is carried in the wagon.
...	...	...	...	...	† Toolbags of farrier serjeants are carried for them in transport wagons.
Under saddle...	*In wagon ...	Under saddle	*In wagon ...	On back with surcingle	
In nosebag ...	*In nosebag ...	In nosebag ...	*In nosebag	In nosebag ...	
Front of saddle	...	...	On luggage saddle	...	
...	...	...	...	...	
On cloak ...	*On luggage saddle	In wagon ...	In wagon ...	As convenient	
On cloak ...	*On luggage saddle	In wagon ...	In wagon ...	As convenient	
Round neck ...	Round neck ...	Round neck	Round neck	Round neck ...	
Off side, hind arch	*On luggage saddle	In wagon ...	In wagon ..	As convenient	
Round neck ...	Round neck ...	In wagon ...	In wagon ...	Round neck ...	
In nosebag ...	*In nosebag ...	In nosebag ...	*In nosebag	In nosebag ...	
Rear of near hind arch ...	...	Rear of near hind arch	...	...	
...	...	...	...	...	

allowed more than one horse, saddlebags can be carried on the spare horse.
carried in the wagons.
and the cloak, are fastened to the luggage saddle; cloak rolled 28 inches long, and nosebags

instructions will be issued later.

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E.—ARTICLES CARRIED BY SPARE HORSES.

Riding horses	...	...	...	...	...	46 per regiment.
Draught horses	...	...	...	...	6	„ „

Each spare horse will carry one of each of the following articles:—

Bags { corn.
nose, G.S., with unexpended forage.
Bit, bridoon, pattern '84.
Blanket, saddle.
Brush, horse.
Collar, head, Mk. III.
Pad, surcingle.
Peg, picketing. (*a*)
Reins, bit.
Ropes { head.
heel. (*b*)
picketing.
Rubber, horse.
Surcingle, leather.

(*a*) 25% for restive horses only.
(*b*) An additional peg for heelrope, when carried.

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Section 4.—CART AND WAGON EQUIPMENT.

A.—MALTESE CART.

(1 PER REGIMENT.)

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	How packed.	Remarks.
Axes, felling, curved helve	1	6	0	On the rear underside of the cart.	
Axes, pick, head	1	4	8	On the rear underside of the cart.	
Axes, pick, helve, 36-inch, ferruled	1	3	4	On the rear underside of the cart.	
Board, inventory with list	1	0	11	As convenient.	
Brush, water, carriage	1	0	10	As convenient.	
Bucket, water, G.S., leather	1	6	0	Strapped on axle bed.	
Cordage, tarred, spunyarn, hemp, 3-thread lbs.	5	5	0	In the body of the cart.	
Grease, lubricating "	3	3	0	In the grease box.	
Hook, bill	1	2	0	On the front underside of cart.	
Lashings, tarred, 1½-inch, 16-feet	4	6	12	On the body of the cart.	
Ropes, drag, light, G.S. pair	1	6	6	On the body of the cart.	
Shovels, G.S.	2	7	0	One on each side.	(*a*) Cover. (*b*) Carried in the pocket on the off side, and consisting of—Pins, linch, 3rd class - 1; Washer, drag, 3rd class, "B" - - - 1
Total equipment	...	51	3		
Maltese cart (with components, accessories (*a*), and spare parts (*b*))	...	733	0		
Cart equipped (*c*)	...	784	3	=7 cwt., about.	(*c*) Approximate only; weight varies according to Mark.

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B.—CART, WATER, MARK II (FILTER).

(1 PER REGIMENT.)

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	How packed.	Remarks.
Board, inventory, with list	1	0	11	In small store box.	(*a*) Consisting of :—
Brushes, water, carriage	1	0	10	In small store box.	Bands, candle cover, apparatus filtering - - 12
Brushes, washing	1	0	1½	In small store box.	Blocks, brake, field and transport - - 2
Bucket, water, G.S., leather	1	6	0	Slung under cart.	Candles, apparatus filtering - 8
Cordage, tarred, spunyarn, hemp, 3-thread lbs.	5	5	0	Under tank.	Caps, protecting couplings, filling pipes, apparatus filtering - - 4
Grease, lubricating - - ,,	3	3	0	In grease box.	Collars, cylinders, cover bolts, apparatus filtering - 2
Spanners, apparatus, filtering	1	0	6½	In small store box.	Nuts, hexagon, ⅜-inch - - 2
Spanners, McMahon, 9-inch	1	1	7	In pocket, axle bed.	Nuts, wing, cylinder cover bolts, apparatus filtering 2
Total equipment - -	...	17	4		Pins, linch, 3rd class - 1
Water cart (with components and spare parts (*a*)) - - - -	...	1,473	8		Rings, clarifying filters, apparatus filtering 2
					Rings, sterilizing filters. apparatus filtering 12
Water cart equipped (*b*) - -	...	1,490	12	= 13½ cwt., about.	Twine, packing middling, balls - 1
					Washers, candle, spindle, apparatus filtering - 8
					Washers, cylinder, cover, sterilizing filters, apparatus filtering - 2
					Washers, drag, 3rd class B - 1
					Washers, hose union, apparatus filtering - 8
					(*b*) Approximate only; weight varies according to Mark.

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C.—G.S. LIMBERED WAGON.

(10 PER REGIMENT).

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	How packed.	Remarks.
FORE PORTION.					
Board, inventory, with list - -	1	0	11	Locker near side.	(*a*) Comprising— Hammer, claw, 14-oz. - 1; Pincers, carpenter's, pr. 1; Screwdriver, G.S., 6-in. - 1; Spanner, McMahon, 9-in. 1
Brush, water, carriage - -	1	0	10	Near side.	
Buckets, water, G.S., leather - -	2	12	0	Under.	
Cordage, spunyarn, hemp, tarred, 3-thread lbs.	5	5	0	Near side.	
Grease, lubricating - - ,,	3	3	0	In the grease box.	
Ropes, drag, light, G.S. - pair	1	6	6	Off side.	
Tools, opening, S.A.A. boxes set (*a*)	1	3	10	Locker, near side.	(*b*) The following spare parts are carried in the near side locker, fore portion— Blocks, brake, field and transport - - 2; Collar, adjusting, 2nd class, "C," capped wheels - - - 1; Pins, linch, 2nd class, "C," capped wheels - 1; Washer, drag, 2nd class "C," capped wheels - 1
HIND PORTION.					
Grease, lubricating - - lbs.	3	3	0	In the grease box.	
Total equipment - -	...	34	5		
G.S. limbered wagon (with components, covers and spare parts (*b*)) - -	...	1,235	8		
G.S. limbered wagon, equipped -	...	1,269	13	= 11½ cwt., about.	

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D.—G.S. WAGON.

(7 PER BATTERY).

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	How packed.
Axes, felling, curved helve	1	6	0	In the locker.
Axes, pick, head	1	4	8	In the locker.
Axes, pick, helve, 36-in., ferruled	1	3	4	In the locker.
Board, inventory, with list	1	0	11	
Buckets, water, G.S., leather	2	12	0	Slung under the wagon.
Brush, water, carriage	1	0	10	In the locker.
Cordage, tarred, spunyarn, hemp, 3 thread - lbs.	5	5	0	In the locker.
Grease, lubricating - lbs.	6	6	0	In the grease boxes.
Hook, bill	1	2	0	In the locker.
Ropes, drag, light, G.S. - pr.	1	6	6	Strapped under the raves, off side.
Shovels, G.S.	2	7	0	In the locker.
Total equipment	...	53	7	
G.S. wagon (with components, accessories (*a*), and spare parts (*b*)	...	1,932	8	
G.S. wagon equipped (*c*)	...	1,985	15	= 17¾ cwt. about.

(*a*) Cover.

(*b*) Swingletree 1; and the following, packed in the locker:—

	No	Mark of Wagon
Blocks, brake, field and transport	2	VII to X
Collars, adjusting, 2nd class, C, capped wheels	1	X
Collars, adjusting, 3rd class, B, capped wheels	1	X*
Lashings, tarred, 1½-in., 32-ft.†	1	III and X*
Pins, linch, 2nd class	1	IX and X‡
Pins, linch, 3rd class	1	III to X
Washers, drag, 2nd class, C, capped wheels	1	X*
Washers, drag, 3rd class, B, capped wheels	1	X*
Washers, drag, 2nd class, C	1	IX and X‡
Washers, drag, 3rd class, B	1	III to X
Washers, drag, 2nd class C, capped wheels	1	X*
Washers, drag, 3rd class B, capped wheels	1	X*

(*c*) Approximate only; weight varies, according to Mark.

† Future manufacture will be 1-inch white rope.

‡ Also Marks VI. to VIII. * * with 2nd class hind axletrees.

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Section 5—PACK TRANSPORT LOADS.

A.—PACK ANIMAL FOR VETERINARY EQUIPMENT.

(1 per Regiment.)

Articles.	No.	Approximate weight. lb.	oz.	Remarks.
Bags { line gear	1	0	9	
Bags { corn	1	0	6	
Bags { nose, G.S., with unexpended forage ... ... say	1	7	0	
Blanket, saddle	1	5	4	
Brush, horse	1	0	10	
Chest, veterinary, field filled ...	1	84	0	
Mallet, heelpeg	1	2	8	
Packsaddlery, G.S., large ... set	1	65	0	
Pad, surcingle	1	0	10	(*a*) Includes one for heel-rope, when carried.
Pegs, picketing (*a*)	2	2	8	
Ropes { head	1	0	13	(*b*) 25% only; for restive horses.
Ropes { heel (*b*)	1	0	11	
Ropes { picketing	1	1	1	
Rubber, horse	1	0	4	
Shoes, horse (fore), with nails (*c*) pr.	1	2	3	(*c*) In line gear bag.
Additional gear ... ... say	—	2	0	
Total equipment and load ...	—	175	7	

B.—PACK HORSES FOR SCOUTS.

(2 per Squadron.)

Articles.	No.	Approximate weight lb.	oz.	Remarks.
Bags { line gear	1	0	9	
Bags { corn	1	0	6	
Bags { nose, G.S., with unexpended forage ... ... say	1	7	0	
Blanket, saddle	1	5	4	
Brush, horse	1	0	10	
Bucket, water, G.S., canvas ...	1	1	5	
Mallet, heelpeg	1	2	8	
Packsaddlery, G.S., large ... set	1	65	0	
Pad, surcingle	1	0	10	(*a*) Includes one for heel-rope, when carried.
Pegs, picketing (*a*)	2	2	8	
Ropes { head	1	0	13	(*b*) 25% only; for restive horses.
Ropes { heel (*b*)	1	0	11	
Ropes { picketing	1	1	1	
Rubber, horse	1	0	4	
Sheet, ground	1	2	8	
Shoes, horse (fore), with nails (*c*) pr.	1	2	3	(*c*) In line gear bag.
Additional gear ... ... say	—	2	0	
Load as required not to exceed	—	180	—	
Total equipment and load ...	—	275	4	

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Section 6.—CART AND WAGON LOADS.

The distribution of the loads carried by regimental transport, shown in this section, has been arrived at after a series of packing trials, and a departure from it would only be justified by exceptional circumstances. For purposes of calculation the maximum load for a G.S. wagon with four horses is taken as not more than 2,700 lbs. The weights of individual items in the loads, of different Marks of wagons, and of individual wagons of the same Mark may be found to vary.

A.—MALTESE CART.

(1 PER REGIMENT.)

Articles.	No.	Approximate weight. lbs.	Approximate weight. ozs.	Remarks.
In the Body.				
Blanket, saddle (*a*)	1	5	4	(*a*) For the off horse.
Companion, medical, complete, with water-bottle (filled)	1	19	2	
Haversack, surgical, complete, with water-bottle (filled)	1	13	2	
Panniers, medical, field, (filled) No. 1	1	91	0	
Panniers, medical, field, (filled) No. 2	1	72	0	
Stretchers, ambulance	3	102	0	
Valise, horse-shoe, with 3 sets of shoes (and nails)	1	20	0	
Load	...	322	8	
Maltese cart, equipped (*cf.* page 25) (*b*)	..	784	3	(*b*) Approximate only; weight varies according to Mark.
Total, loaded cart	...	1106	11	= 10 cwt., about.

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B.—CART, WATER, MARK II (FILTER).

(1 PER REGIMENT.)

Articles.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
Blanket, saddle (*a*) - - - -	1	5	4	(*a*) For the off horse.
Valise, horseshoe, with 3 sets of shoes, (and nails) - - - - - -	1	20	0	
Water - - - - galls.	118	1,180	0	(*b*) Approximate only; weight varies according to Mark.
Water cart, equipped (*cf.* page 26) (*b*) -	...	1,490	12	
Total loaded cart - - -	...	2,696	0	= 24 cwt., about.

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C.—G.S. LIMBERED WAGONS FOR PIONEER AND SIGNALLING EQUIPMENT.

(1 PER SQUADRON.)

No. 1, 3 or 5 G.S. limbered wagon. (*See* para. 3, page 4.)

Articles.	No.	Approximate only. lb.	Approximate only. oz.	Remarks.
FORE PORTION.				
Fore Part—				
Bag, tool, farrier's (filled) (*a*)	1	14	7	(*a*) For farrier serjeant.
Case, pioneer equipment, cavalry, large, near (*b*)	1	45	5	(*b*) Containing following tools—
Chest, veterinary, field, unit, 25 lbs.	1	25	0	
Fuze, instantaneous - yds.	100	15	5	
Lashings, tarred, 2-in., 48 ft.	2	15	0	
Saddlery, universal; buckets, tool	6	25	0	
Rear Part—				
Bags, sand, common, Mark II.	50	32	13	
Detonators, No. 8, with 2 ft. safety fuze attached (*c*)	48	11	4	(*c*) In 2 boxes, No. 8 detonators.
Fuze, safety, No. 9 fms.	24	4	7	
Guncotton { dry, primers, field, 1 oz. (*d*)	80	25	6	(*d*) In 2 boxes, guncotton.
Guncotton { wet, charges, field, 15 oz. (*e*)	32	69	10	(*e*) In 32 cases; in 2 boxes, guncotton.
Matches, Vesuvian (*f*)	156	0	14	(*f*) In 12 boxes.
Mauls, G.S., helved	1	2	11	
Packsaddlery, G.S., chests, pack transport	2	47	0	

		No.	lb.	oz.
Augur,	screw	1	2	8
	handle	1	0	11
Hooks,	reaping, large	1	1	2
	bill	4	8	0
Wire,	ordinary, copper, No. 28, S.W.G. lb.	1	1	0
	jointing and binding, A.A. 21 lbs.	5	5	0
			18	5

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FORE PORTION—*continued.*

Rear part, on off side—			
Flags, signal, army, poles 5ft. 6in.	8	6	0

HIND PORTION.

Fore part—			
Axes, felling, curved helve	2	11	0
Axes, hand	2	4	4
Axes, pick, heads	4	18	0
Axes, pick, helves	5	16	8
Case, pioneer equipment, cavalry, large, off (*g*)	1	59	6
Cordage, tarred, spunyarn, hemp, 3-thread lbs.	10	10	0
Crowbar, 3 ft. 6 in.	1	12	0
Hammers, smith's, sledge	1	10	0
Hammers, handle, No. 1	1	2	0
Lashings, 1½ inch, 50 feet	4	20	0
Lashings, tarred, 1 inch, 20 feet	8	6	10
Saw, folding, complete	1	1	12½
Saw, hand, 26 inch (in case)	1	5	6
Shovels, G.S.	6	21	0
Pannier, signalling, (filled) (*h*)	1	80	0
Luggage saddle, with appurtenances (*i*)	1	24	14

(*g*) Containing following tools—

	No.	lb.	oz.
Files, saw, taper, 6 inch	1	0	3
Files, 2nd cut, single, 9 inch	1	0	8
Hammers, claw, 28 oz.	2	4	4
Knives, clasp	2	0	12
Lines, Hambro'	1	3	4
Nails, iron, spike, No. 185 lbs.	6	6	0
Nails, wire, iron, 5 inch ,,	2½	2	8
Nails, grooved, 6 inch ,,	2⅔	2	8
Pliers, side cutting pr.	2	1	2
Reels, wire, leather	1	0	2
Rules, G.S. 4-fold	1	0	2
Screwdriver G.S., 9 in.	1	0	13
Sets, saw, hand	1	0	3
Spanners, 15 inch	1	3	8
Spanners, McMahon, 9 inch	1	1	7
Tapes, measuring, linen, 100 ft.	1	1	2
Twine, whipping lbs.	2	2	0
		30	6

(*h*) For detail of contents see page 50.

(*i*) Carried in the wagon to enable the team to be used with shaft draught vehicles on emergency. The following is a detail of the appurtenances of the saddle:—

*bands, back	1

NOTE.—Such explosives and tools as may be required by the pioneers when the G.S. limbered wagon cannot accompany them will be transferred partly to the

(*a*). 2 pack transport chests
(*b*). 6 tool buckets
} per squadron

which will be carried (*a*) by the lead horses of the wagon and (*b*) by the pioneers' horses respectively.

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C.—G.S. limbered Wagons for Pioneer and Signalling Equipment—*continued.*

Articles.	No.	Approximate only. lb.	Approximate only. oz.	Remarks.
HIND PORTION—*continued.*				*girths, luggage - - - 1 numnah, felt, luggage - - 1 *reins, side - - - 1 *straps, {baggage - - 3; girth, Mark II - - 4} surcingle, leather - - 1 *tugs, backband - - 2 pannels, numnah luggage - pr. 1 *Rolled in numnah and tied with surcingle.
				(*j*) The following will be carried on the luggage saddle by the off wheel horse in the event of the team being used with shaft draught in an emergency:—
				bags {corn - - - 2; nose, with 6 lbs. corn - 2} *brushes, horse - - - 2 rubbers, horse - - - 2 pad, surcingle - - - 1 pegs, picketing† - - - 1 rope {heel‡ - - - 1; picketing - - 1}
Rear part—				
Packsaddlery, G.S. - - - sets	2	124	0	
Blankets, saddle - - - -	2	10	8	
Buckets, water, G.S., canvas - - -	26	19	8	
Surcingle, leather (*k*) - - - -	1	0	15	
Valise, horseshoe, with 3 sets of shoes (and nails)	1	20	0	
Articles as at (*j*) - - - -	...	18	6	
Load - - - - -		836	5½	
G.S. limbered wagon equipped (*cf.* page 27) (*l*)		1269	13	
Total loaded G.S. limbered wagon, No. 1, 3 or 5		2106	2½	= 23½ cwt., about.

*One of each in rubber, in mouth of nosebag.
†Plus one, additional, when heelrope is carried.
‡25% only; for restive horses.

(*k*) For the off lead horse.

(*l*) Approximate only; weight varies according to Mark.

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G. S. LIMBERED WAGONS FOR S. A. A.

(1 PER SQUADRON).

No. 2, 4, or 6 (*see* para. 3, page 4).

Articles.	No.	Approximate weight. lb.	Approximate weight. oz.	Remarks.
FORE PORTION.				
In the locker.				
Bags, ammunition, canvas	8	9	0	
Cartridges, small-arm, ball, cordite, pistol, Webley box (*a*)	1	18	8	(*a*) Containing 276 rounds.
Valise, horseshoe, with 3 sets of shoes (and nails)	1	20	0	
In the body.				
Bags, saddle, ammunition	2	38	0	
Blankets, saddle (*b*)	2	10	8	(*b*) For the off horses.
Cartridges, small arm, ball, ·303 inch, cordite boxes (*c*)	7	563	8	(*c*) Each containing 1,000 rounds.
Surcingle, leather (*d*)	1	0	15	(*d*) For the off lead horse.
HIND PORTION.				
In the body.				
Bags, saddle, ammunition	2	38	0	
Cartridges, small-arm, ball, ·303 inch, cordite boxes (*c*)	7	563	8	
Luggage saddle, with appurtenances as at (*i*), page 33, and articles as at (*j*), page 34	...	43	4	
Load	...	1305	3	
G.S. limbered wagon, equipped (*cf.* page 27) (*e*)	...	1269	13	(*e*) Approximate only; weight varies according to mark.
Total loaded G.S. limbered wagon No. 2, 4 or 6	...	2575	0	= 23 owt., about.

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C.—G.S. LIMBERED WAGONS FOR MACHINE GUN SECTION.

(4 PER REGIMENT).

Nos. 7 and 8 (Machine guns and stores).

See para. 3, page 4.

Articles.	No.	Approximate weight. lb.	Approximate weight. oz.	Remarks.
FORE PORTION.				
Bar, carrying Maxim gun on tripod	1	1	10	(*a*) 10 yards of spare cord for mekometers are carried in addition to the usual stores, in this box (in one of the 2 wagons).
Belts, ammunition, Maxim, ·303-inch, 250 rounds — in belt boxes (filled)	14	292	8	
Belts, ammunition, Maxim, ·303-inch, 250 rounds — spare	2	32	4	
Box, spare parts and implements, Maxim, ·303 inch (filled) (*a*)	1	31	0	
Cans (filled), lubricating, No. 9 (*b*)	2	1	10	(*b*) For mineral oil 1 / For petroleum oil 1 — Per gun, packed in one case, can, ·303 inch.
Cans (filled), half-pint (*c*)	2	0	14	(*c*) For petroleum oil 1 / For turpentine 1 — Per gun, packed in one case, can, ·303 inch.
Cases, can, ·303 inch tripod mountings	1	2	3	
Flannelette — yds.	3	0	2	

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Guns, machine, protectors, muzzle		1	0	3	*Method of carrying.* Remove dividing board and place diagonally across rear part of rear portion of wagon. Place gun in centre of fore portion, from front to rear. Eleven belt boxes on one side (end on to gun case), with tripod in hood (legs flat on floor), and spare part box as a wedge between it and the gun case on the other side, prevent all lateral motion without detriment to speed in handling the gun. Remainder of boxes (3) at end of tripod legs. Heavier end of gun and tripod to rear of wagon.
Maxim, ·303 inch, in leather case, with cleaning rod and spare gun barrel		1	103	4	
Maxim, plugs, cork, complete		1	0	1	
Linen, old	lb.	½	0	8	
Mountings, tripod, ·303 inch Maxim gun, Mark IV., complete, with hoods, protecting		1	50	0	
Muzzle attachment for ball firing		1	1	7	
Pins, joint, crosshead		1	10	0	
spare elevating gear		1	0	5	
Plugs, belt, Maxim, ·303 inch	set	1	0	4	
Reflectors, mirror, machine gun, ·303 inch		1	0	1	

HIND PORTION.

Axes, heads, 4½lbs.		1	4	8	Rear part.
pick, helves, 36 inch, ferruled		1	3	4	Rear part.
Blankets, saddle (*d*)		2	10	8	(*d*) For off horses.
†Cartridges, small arm, ball, ·303 inch, cordite	boxes (*e*)	4	322	0	(*e*) Fore part.
Hook, bill		1	2	0	
Luggage saddle, with appurtenances as at (*i*) page 33, and articles as at (*j*) page 34		1	43	4	
Machine, belt-filling, in chest (*f*)		1	42	0	(*f*) Only carried by one of the two wagons Nos. 7 and 8. The box is carried loose in the rear portion, and is clamped to the perch for use.
Packsaddlery, machine gun, ·303 inch (*g*)	*sets	1	214	0	(*g*) Gun packsaddle in fore part, 2 ammunition pack saddles in rear part. See footnote next page.
Shovel, G.S.		1	3	8	Rear part.
Surcingle, leather (*h*)		1	0	15	(*h*) For the off lead horse.

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C.—G.S. limbered Wagons for Machine Gun Section—*continued.*

Articles.	No.	Approximate weight. lb.	Approximate weight. oz.	Remarks.
HIND PORTION—*continued.*				
Valise, horseshoe, with 3 sets of shoes (and nails) - -	1	20	0	
Load - - - - - -		1194	3	
G.S. limbered wagon equipped (*cf.* page 27) (*j*) - -		1269	13	(*j*) Approximate only; weight varies according to Mark.
Total loaded G.S. limbered wagon - -		2464	0	=22 cwt., about.

* A set of machine gun packsaddlery consists of 1 gun packsaddle and 2 ammunition packsaddles. Each ammunition packsaddle has two racks, and each rack will accommodate three belt boxes.

The M.G. packsaddlery is normally carried in the limbered wagons. When required for use it will be carried by such of the draught horses of the vehicles allotted to the machine gun section as may be found most convenient.

† One of the two wagons, Nos. 7 and 8, will carry an extra box of S.A.A.

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C.—G.S. LIMBERED WAGONS FOR MACHINE GUN SECTION.

(4 PER REGIMENT).

Nos. 9 and 10. (Machine gun ammunition). *See* para. 3, page 4.

Articles.	No.	Approximate weight.		Remarks.
		lb.	oz.	
FORE PORTION.				
Bags, ammunition, canvas	4	4	8	
Cartridges, small-arm, ball, ·303 inch, cordite - - boxes	7	563	8	
HIND PORTION.				
Blankets, saddle (*a*)	2	10	8	(*a*) For the off horses.
Cartridges, small arm, ball, ·303 inch, cordite - - boxes	7	563	8	
Luggage saddle, with appurtenances as at (*i*) page 33, and articles as at (*j*) page 34	1	43	4	
Surcingle, leather (*b*)	1	0	15	
Valise, horseshoe, with 3 sets of shoes (and nails)	1	20	0	(*b*) For the off lead horse.
Load	...	1206	3	
G.S. limbered wagon, equipped (*cf.* page 27) (*c*)	...	1269	13	(*c*) Approximate only; weight varies according to Mark.
Total loaded G.S. limbered wagon	...	2476	0	= 22 cwt., about.

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G.S. WAGONS FOR BAGGAGE, STORES AND SUPPLIES.

HEADQUARTERS AND MACHINE GUN SECTION.—1 G.S. WAGON.

No. 1 G.S. WAGON. (*See* para. 3, page 4.)

Articles.	No.	Approximate weight. lb.	Approximate weight. oz.	Remarks.
IN THE LOCKER.				
Axe { felling, curved helve	1	6	0	
Axe { hand	1	2	2	
Boxes, candle, F.S. (filled)	2	3	6	
Forage, compressed — bale	1	82	0	
Knives, opening tins	3	2	4	
Lanterns, tent, folding	2	15	0	
Luggage, saddle, with appurtenances as at (*i*) page 33, and articles as at (*j*) page 34	1	43	4	
Reins, driving, long — set	1	4	4	
Valise, horse-shoe, with 3 sets of shoes (and nails)	1	20	0	
IN THE BODY.				
Equipment and Stores :—				
Baggage, officers' { C.O.	1	50	0	
Baggage, officers' { other officers	6	210	0	
Bags, tool, (filled) { armourer's	1	7	2	
Bags, tool, (filled) { shoemaker's	1	25	0	

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IN THE BODY—*continued.*

Equipment and Stores—continued.

Blankets, saddle (*a*)	9	47	4		(*a*) For officers' and off horses.
Boxes, (filled) clearing rod, No. 2	1	1	2		
Boxes, (filled) articles for repair	1	60	0		
Boxes, (filled) dubbing (*b*)	6	13	0		(*b*) Each tin containing 2lbs. of dubbing.
Boxes, (filled) stationery, field	2	112	0		
Brushes, harness. hard	12	5	4		
Buckets, water. G.S., canvas	31	21	0		
Cartridges, dummy. drill, ·303 inch	20	1	4		
Flags, signal, army; poles 5ft. 6in. (in bundle)	6	4	8		
Flags, signal, army; poles 3ft. 6in. (in bundle)	12	3	12		
Flannelette	18	—	10	yds.	
Hooks, reaping, large	6	6	0		
Jack, lifting, G.S.	1	35	0		
Kettles, camp, oval 12 quarts for officers (packed)	2	34	0		
Kettles, camp, oval 12 quarts for rank and file	4	34	0		
Linen, old	1	1	0	lbs.	
Mallets heel-peg	10	25	0		
Oil, mineral burning	1	1	0	pint	
Oil, petroleum. Russian lubricating	4	3	8	pints	
Panniers G.S., filled with artificer's tools	1	140	0		(*d*) To contain groceries detailed below.
Panniers grocery (*d*)	1	33	0		(*e*) For detail of contents see page 50.
Panniers signalling (filled) (*e*)	1	80	0		
Pegs, picketing	15	18	12		(*f*) Large rugs for heavy cavalry, small rugs for light cavalry.
Rugs, horse, large (*f*)	3	25	8		
Sheets, ground	54	126	8		
Shoes, horse, in boxes (with nails)	10	60	0	sets	
Surcingle, leather (*g*)	1	0	15		(*g*) For the off lead horse.
Whip, driving	1	1	0		

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G.S. WAGONS FOR BAGGAGE, STORES AND SUPPLIES—*continued.*

Articles.		No.	Approximate weight. lb.	Approximate weight. oz.	Remarks.
IN THE BODY—*continued.*					
Supplies :—					
Biscuits (*h*)	rations	61	81	8	(*h*) 1 case of 50 lbs. net (gross 70½ lbs.), plus 11 lbs. loose in grocery pannier.
Groceries (*j*)	,,	122	25	12	(*j*) In grocery pannier.
Jam (*k*)	,,	64	19	8	(*k*) In 16 1-lb. tins.
Lime juice (*l*)	,,	320	18	0	(*l*) One gallon jar (filled).
Meat, preserved (*m*)	,,	61	76	0	(*m*) 1 case of 60 tins, plus 1 tin loose.
Oats (*n*)	sacks	10	800	0	(*n*) 9 sacks @ 80 lbs. } plus weight of sacks. 1 sack @ 60 lbs. }
Rum (*o*)	rations	64	20	0	
Load			2406	1	(*o*) One gallon jar (filled).
G.S. Wagon equipped (*cf.* page 28) (*p*)			1985	15	(*p*) Approximately only; weight varies according to Mark.
Total loaded G.S. Wagon, No. 1			4392	0	39¼ cwt., about.

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G.S. WAGONS FOR BAGGAGE, STORES AND SUPPLIES.

SQUADRONS—2 PER SQUADRON.

No. 2, 4 or 6. (*See* para. 3, page 4.)

Articles.	No.	Approximate weight. lb.	oz.	Remarks.
IN THE LOCKER.				
Axe, felling, curved helve -	1	6	0	
Box, candle, F.S. (filled) -	1	1	11	
Forage, compressed - bale	1	82	0	
Knives, opening tins - -	1	—	12	
Lantern tent, folding - -	1	7	8	
Luggage saddle, &c. (*a*) - -	—	43	4	(*a*) With appurtenances as at (*i*) page 33 and articles (*j*) as at page 34.
Reins, driving, long - set	1	4	4	(*b*) For the off horses.
Valise, horse-shoe, with 3 sets of shoes (and nails) - -	1	20	0	(*c*) To contain groceries detailed below and 14 lbs. of loose biscuits.
IN THE BODY.				(*d*) For the off lead horse.
Equipment and stores:—				(*e*) Packed in 3 cases each containing 50 lbs., plus 14 lbs. loose which are carried in a grocery pannier.
Blankets, saddle (*b*) - -	2	10	8	
Panniers, grocery (*c*) - -	2	66	0	
Surcingle, leather (*d*) - -	1	0	15	
Whip, driving - - -	1	1	0	
Supplies:—				(*f*) One case (less 9 1-lb. tins).
Biscuits (*e*) - rations	164	225	0	
Groceries - ,,	328	69	3	(*g*) One gallon jar.
Jam (*f*) - ,,	164	62	0	(*h*) Three cases of 60 tins (less 16 tins).
Lime juice (*g*) ,,	320	18	0	
Meat, preserved (*h*) ,,	164	209	0	(*j*) 18 sacks @ 80 lbs., plus weight of sacks.
Oats (*j*) - sacks	18	1476	0	
Rum (*k*) - rations	192	68	0	(*k*) Three 1 gallon jars. Two of the jars are in a case.
Load - - -		2371	1	
G.S. wagon equipped (*cf.* page 28 (*l*) - -		1985	15	(*l*) Approximate only: weight varies according to Mark.
Total loaded G.S. wagon No. 2, 4 or 6 - -		4357	0	= 39¾ cwt. about.

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G.S. WAGONS FOR BAGGAGE, STORES AND SUPPLIES

SQUADRONS—2 PER SQUADRON.

No. 3, 5 or 7. (*See* para. 3, page 4.)

Articles.	No.	Approximate weight. lb.	oz.	Remarks.
IN THE LOCKER.				
Axe, felling, curved helve	1	6	0	
Box, candle, F.S. (filled)	1	1	11	
Forage, compressed - bale	1	82	0	
Handcuffs, common - pair	1	2	0	
Lantern tent, folding	1	7	8	
Luggage saddle, &c. (*a*)	—	43	4	(*a*) With appurtenances as at (*i*) page 33 and articles as at (*j*) page 34.
Reins, driving, long - set	1	4	4	
Valise, horse-shoe, with 3 sets of shoes (and nails)	1	20	0	
IN THE BODY.				
Equipment and stores:—				
Baggage, officers'	6	210	0	
Balance, spring, 80 lbs.	1	3	11	
Blankets, saddle (*b*)	8	42	0	(*b*) For officers' and off horses.
Boots, ankle, assorted sizes (spare) - pairs	6	27	0	
Boxes, dubbing or mineral jelly (*c*)	4	10	0	(*c*) Each with 2 lbs. dubbing.
Brushes, harness, hard	8	3	8	
Buckets, water, G.S., canvas	60	39	6	
Flannelette - yards	60	2	0	
Hooks, reaping, large	9	9	0	
Implements, butchers' set	1	37	0	
Kettles, camp, oval, 12 quarts — for officers (packed)	2	34	0	
Kettles, camp, oval, 12 quarts — for rank and file (*d*)	10	96	0	(*d*) Two cradles, each of 5 kettles.
Linen, old - lb.	1	1	0	
Mallets, heelpeg	26	65	0	
Oil, petroleum, Russian, lubricating - pints	8	7	0	
Pannier, tool, saddlers' (filled)	1	69	0	
Pegs, picketing	42	52	8	
Rugs, horse, large (*e*)	9	76	8	(*e*) Large rugs for heavy cavalry, small rugs for light cavalry.
Sheets, ground	156	390	0	
Shoes, horse, in boxes, with nails (spare) - sets	28	168	0	
Surcingle, leather (*f*)	1	0	15	(*f*) For the off lead horse.
Whip, driving	1	1	0	
Supplies:—				
Oats (*g*) - sacks	9	678	0	(*g*) 8 sacks at 80 lbs. - plus weight of sacks. 1 sack at 20 lbs. - plus weight of sacks.
Load		2189	3	
G.S. wagon equipped (*cf.* page 28) (*h*)		1985	15	(*h*) Approximate only; weight varies according to Mark.
Total loaded G.S. wagon No. 3, 5 or 7		4175	3	=36¼ cwt. about.

In addition to the above load the wagons Nos. 3, 5 and 7 carry, between them, the following spare wagon components:—

Poles, draught,	No. 7A (G.S. wagons)	2
	No. 17 (G.S. limbered wagon)	2
Wheels (spare), 3rd class, B	No. 159 (G.S. wagon, fore)	1
	No. 158 (or 2nd class "C" No. 200) (G.S. wagon, hind)	1
2nd class, C., No. 43 (G.S. limbered wagons)		1

Data on which the Transport of a Cavalry Regiment is Calculated.

Table A.—AMMUNITION.

I. Approximate Amount of Ammunition Available.

Where carried.	No. of rounds per			Remarks.
	Rifle.	Pistol.	Machine Gun.	
On the soldier	100	12	—	For the purpose of arriving *approximately* at the number of rounds to be carried in ammunition columns the number of rifles in a cavalry regiment is estimated at 500.
With machine guns	—	—	3500	
In regimental reserve	100	12	16000	
With horse artillery or mounted brigade ammunition column	100	12	10000	
With divisional ammunition column	100	—	10000	
Total with field units	400	36	39500	

II. Distribution of S.A.A. (·303-inch) within the Regiment.

(*A*). *Carried by machine gun section* :—

(1). In *each* of the 2 G.S. limbered wagons carrying machine guns :—

(*a*). In 14 belts, packed in belt boxes, @ 250 rounds per belt ... ... 3,500 rounds.

(*b*). For the 2 belts, spare, @ 250 rounds per belt ... ... 500* ,,

(*c*). In 4 (1,000 round) boxes ... ... 4,000 ,,

(2). In *each* of the 2 G.S. limbered wagons allotted to machine gun section for carriage of ammunition :—

In 14 (1,000 round) boxes ... ... 14,000 ,,

(*B*). *Carried by squadron ammunition wagons* :—

In *each* of 3 squadron G.S. limbered wagons for ammunition :—

In 14 (1,000 round) boxes ... ... 14,000 ,,

* One of the two wagons carrying machine guns does not carry these 500 rounds ; the other wagon carries an extra box. (1000 rounds).

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(*C*). *Totals*:—

(*a*). Carried on person (including details left at base) ...	510 rifles @ 100 rounds ...	51,000 rounds.
	15 A.S.C. drivers @ 20 rounds	300 „
(*b*). In the two G.S. limbered wagons carrying machine guns (each 8,000)		16,000 „
(*c*). In the two G.S. limbered wagons allotted to machine gun section for carriage of ammunition		28,000 „
(*d*). In three squadron G.S. limbered wagons for S.A.A.		42,000 „
Total ·303-inch ammunition...		137,300 „

III. Distribution of Pistol Ammunition.

(*a*). Carried on the person (including details left at base)	25 officers @ 12 rounds	
	51 other ranks @ 12 rounds ...	912 „
(*b*). In three squadron G.S. limbered wagons for ammunition:—each 1 box @ 276 rounds		828 „
Total pistol ammunition ...		1,740 „

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B.—TOOLS. GENERAL DISTRIBUTION.

The following list comprises only some of the most important of the tools carried by a cavalry regiment, and it does not include tools forming part of artificers' sets.

How carried.	Axes.			Crowbars.	Hooks.		Mauls, G.S.	Saws.		Shovels, G.S.	Remarks.
	Felling.	Hand.	Pick.		Bill.	Reaping		Folding.	Hand, 26 inch.		
In (3) squadron G.S. limbered wagons for tools and signalling equipment -	6	6	12	3	12	3	3	3	3	18	
In the (2) G.S. limbered wagons carrying machine guns - - - - -	...	...	2	...	2	...	...	...	...	2	
In (7) G.S. wagons - - -	7	1	...	...	...	33	...	...	...	...	
Cart and wagon equipment.											
Cart, Maltese - - - -	1	...	1	...	1	...	...	...	...	2	
G.S. wagons (7) - - - -	7	...	7	...	7	...	...	...	...	14	
Total per Regiment - -	21	7	22	3	22	36	3	3	3	36	

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C.—RATIONS AND FUEL.

Detail of rations carried in the field with cavalry regiments, and in transport and supply columns and parks for each officer and man.

How carried.	Field Ration.				Emergency ration.	Remarks.
	Meat. 1¼ lbs. fresh or 1 lb. (nominal) preserved or salt meat. *Bread.* 1¼ lbs. bread, or 1 lb. biscuits, or flour.	*Groceries.* *Grocery ration*—lb. oz. Tea - - 0 $\frac{5}{8}$ Sugar - - 0 2 „ for limejuice $\frac{1}{4}$ Salt - - 0 $\frac{1}{2}$ Pepper - - 0 $\frac{1}{36}$	*Jam, Limejuice, and Rum.* lb. oz. Jam ration 0 4 gills Limejuice ration - $\frac{1}{10}$ Rum ration $\frac{1}{2}$	*Vegetables.* ½lb. fresh, or 2 oz. dried, or ¼ lb. preserved fruit.	6½ oz. net, 9½ oz. gross.	
On the soldier	1 (*a*)	—	—	—	1	(*a*) The day's ration issued the previous evening, less any portion consumed.
In regimental transport -	1	2 (*b*)	1 (*c*)	— (*d*)	—	(*b*) Carried in panniers.
In transport and supply columns to replace issues -	1	1	1	1	1	(*c*) Limejuice and rum to be issued at the discretion of the general officer commanding, on the recommendation of the medical officer.
In transport and supply parks - -	3	3	3	3	—	(*d*) To be issued when available, but not to be carried in regimental transport, when marching daily.
Total -	6 (*e*)	6	5	4	2	(*e*) Less any portion consumed of the ration carried on the soldier.

NOTE.—No fuel will be carried normally, except the wood of the ration boxes, which will be issued for kindling purposes and be supplemented by fuel obtained locally.

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D.—FORAGE.

DETAIL OF FORAGE CARRIED IN THE FIELD WITH CAVALRY REGIMENTS, AND IN TRANSPORT AND SUPPLY COLUMNS AND PARKS FOR EACH HORSE.

How carried.	*Corn ration.* 12 lbs.	*Compressed forage.*	Remarks.
On the horse - - -	1 (*a*)	...	(*a*) The day's ration issued the previous evening, less any portion consumed.
In regimental transport - -	1	(*b*)	(*b*) One bale (82 lbs. gross weight) is carried in the locker of each G.S. wagon. This is only to be consumed by order of an officer.
In transport and supply column, to re-place issues - - -	1	(*b*)	
In transport and supply park - -	3	(*b*)	
Total - - -	6 (*c*)	...	(*c*) Less any portion consumed of the ration carried on the horse.

NOTE.—The above scale of forage is applicable to a country where hay is available.

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E.—DISTRIBUTION OF SIGNALLING EQUIPMENT CARRIED BY A CAVALRY REGIMENT IN THE FIELD.

Articles.	Headquarters.			Per squadron.			Total per regiment.	Remarks.
	(Signalling serjeant)	No. 1 G.S. wagon.		Carried by signallers.	In tool wagon.			
		In pannier.	Loose		In pannier.	Loose		
Binoculars, in cases - - pairs	1	...	...	1	...	...	4	
Cases, message book, with forms and manuals - - - -	1	...	...	2	...	...	7	
Chimneys, glass (spare), for lamps -	...	4	...	...	4	...	16	
Compasses, prismatic, in cases - -	1	...	...	1	...	...	4	
Cotton waste, white - - lbs.	...	½	...	...	½	...	2	
Flags, signal, army — blue — 3ft. square - -	...	...	...	...	4	...	12	
Flags, signal, army — blue — 2ft. „ - -	...	...	...	8	...	...	24	
Flags, signal, army — white, with stripe — 3ft. „ - -	...	...	...	...	4	...	12	
Flags, signal, army — white, with stripe — 2ft. „ - -	...	...	...	8	...	...	24	
Flags, signal, army — poles — 5ft. 6in. - -	...	...	6(*a*)	...	...	8(*a*)	30	(*a*) Tied in bundles.
Flags, signal, army — poles — 3ft. 6in. - -	...	...	12(*a*)	16	...	...	60	
Heliographs, 5in. Mark V. - -	...	2	...	2	...	...	8	(*b*) All lamps are filled for service; a reserve of oil and wick for signalling lamps is carried in supply columns.
Lamps, signalling "B" - -	...	2(*b*)	...	...	2(*b*)	...	8(*b*)	
Pencils - - - -	(*c*)	(*c*)	...	(*c*)	(*c*)	...	(*c*)	
Stands — lamp or helio, "A," Mark III. -	...	2	...	2	...	...	8	
Stands — signalling telescope - -	...	2	...	2	...	...	8	
Telescopes, signalling - - -	...	2	...	2	...	...	8	(*c*) Will be issued as required.
Watches - - -	1	...	...	1	...	...	4	

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F.—SPARE WHEELS, SHAFTS, POLES, AND SWINGLETREES.

Detail.	Pattern No.	Vehicle with which used.	No. of spare per regiment	Reference to load table.
Wheels ...	3rd class, B, No. 158 or 2nd class, C, No. 200	G.S. wagon (hind)	1	Page 44.
	3rd class B, No. 159 ...	G.S. wagon (fore)	1	"
	2nd class C, No. 43 ...	G.S. limbered wagon.	1	"
Shafts ...	...	Maltese cart	...	Carried in transport and supply column.
Poles	7A	G.S. wagon	2	Page 44.
	17	G.S. limbered wagon	2	Page 44.
Swingletrees	3A, 10A, or 11	All vehicles of the unit.	7	The wagon equipment of each G.S. wagon includes a spare swingletree (page 28), and this provision covers the requirements of the Maltese and water carts and G.S. limbered wagons.

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